

MASTER

METAL

WEATHERSTRIPS



CATALOG No. 12

MASTER

METAL STRIP SERVICE INCORPORATED

GENERAL INFORMATION

The prime essential of metals used for weatherstrips is rust resistance. Zinc, a non-ferrous metal, lends itself admirably to weather-strip manufacturing, and its low price makes it most economical. Sheet and ribbon zinc are the two types in common use. Sheet zinc is the superior in tensile strength, durability, and the ability to withstand extremes of temperature. When used for Master Weatherstrips, this zinc is sheared and formed against the grain—known as cross-grain zinc.

Practically all Master Strips can be furnished in cold rolled bronze. The use of this material is advisable for weatherstrips to be installed in close proximity to the ocean or in an extremely corrosive atmosphere.

In addition to zinc and cold rolled bronze, many of our weatherstrips are supplied in a specially developed aluminum alloy which contains nickel and copper for the principal alloying elements. Chief among the properties which make this a superior metal for weatherstrips are high resistance to the corrosive action of the atmosphere, high tensile strength, exceptional wearing qualities, and a silvery lustrous finish that harmonizes well with white metal hardware, trim mouldings, etc.

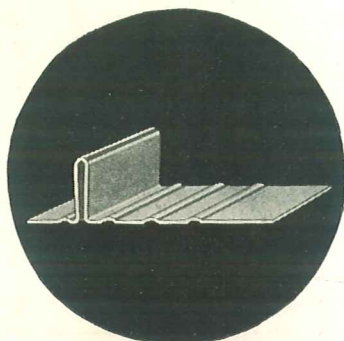
NOTE: During the present emergency it may become necessary to substitute stainless steel for certain items now being manufactured of aluminum.

MANUFACTURING FACILITIES

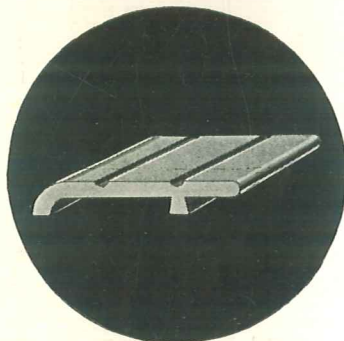
Nearly two decades of experience in the manufacture of high grade weatherstrips have contributed to make the Master line outstanding in its field. A spacious plant with finest available manufacturing equipment, highly trained personnel, large stocks of raw and finished material, central location and fine shipping facilities are factors that assure high quality products and prompt delivery. Our resources are ample for the largest metal strip job and no order is too small to receive our prompt and careful attention.

DISTRIBUTION AND SERVICE

Located in more than 300 cities of the United States, Master Weather-strip Contractors and Dealers are reputable, thoroughly experienced and skilled in the installation of Master equipment. They can be depended on for first-class workmanship at reasonable prices and are capable of applying weatherstrips in a manner that will guarantee permanent, trouble-free service. Write us for the name of our dealer in your vicinity.



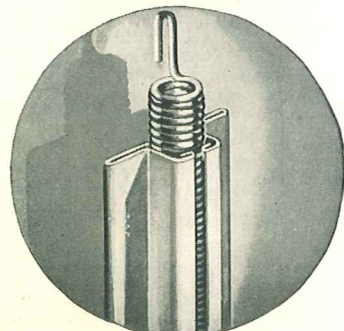
WEATHERSTRIPS



THRESHOLDS

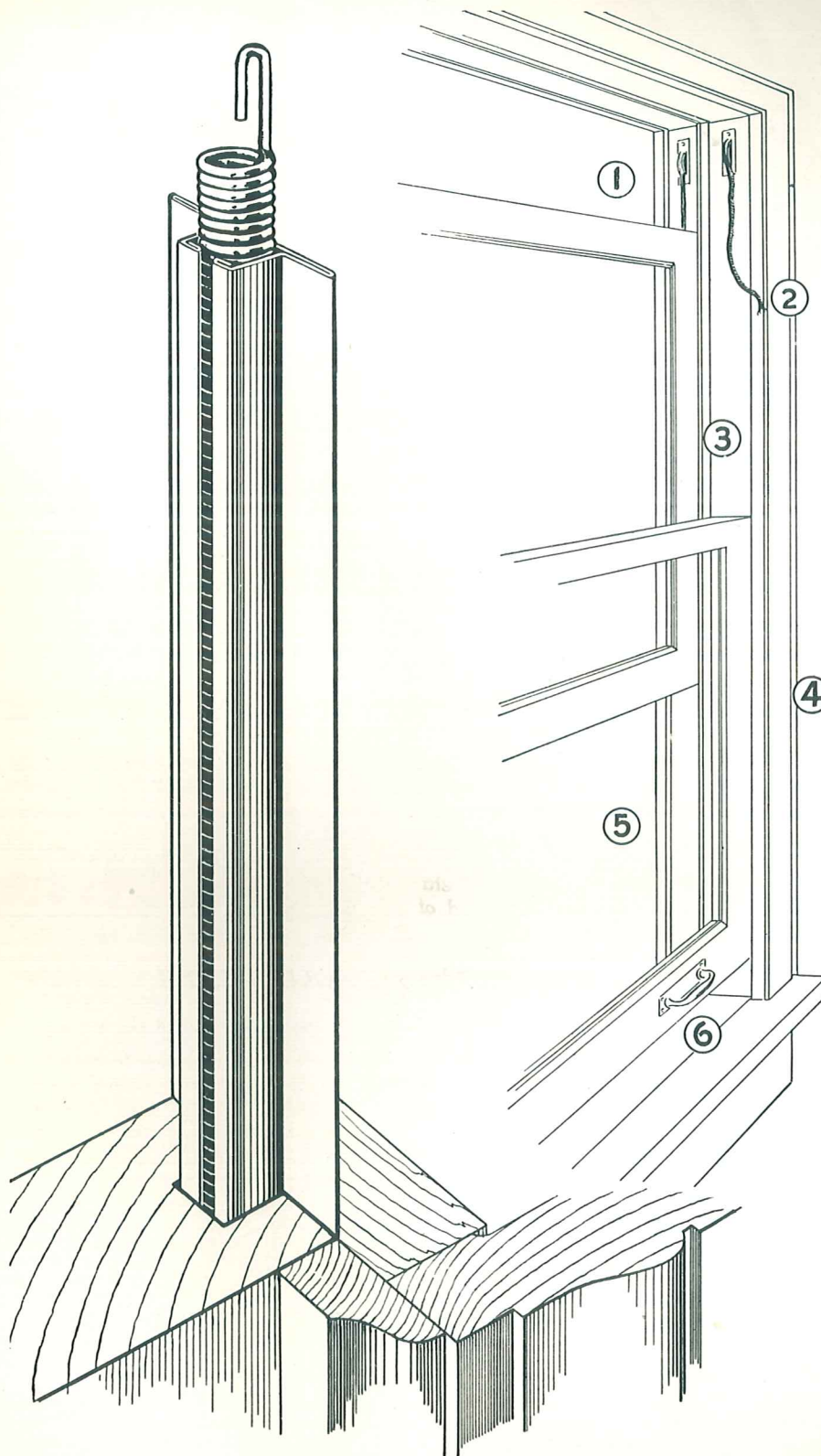


CAULKING SUPPLIES



**MASTER NO-DRAFT SASH
BALANCE. See Pages 2-3-4**

NO-DRAFT SASH BALANCE



①

Master No-Draft Sash Balance eliminates pulleys, weights, and cords, and stops air and dust infiltration effectively and economically.

②

As pulleys, cords, and other sash balancing equipment are not required, Master No-Draft Balance reduces operation maintenance to a minimum.

③

The unique construction and silent easy operation of this new balance provides accurately balanced sash, efficient weather-stripping and smooth sash travel.

④

The Master Sash Balance is self-adjusting to the shrinkage and expansion of the sash and has a double contact. Windows are never loose and the annoyance of rattling is eliminated.

⑤

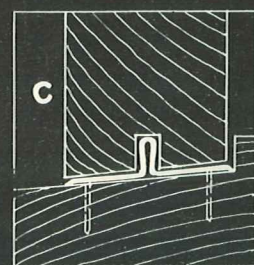
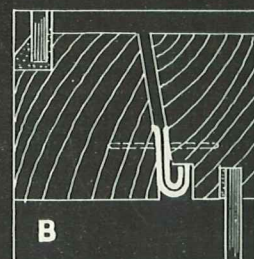
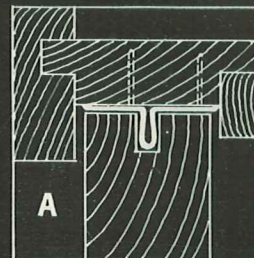
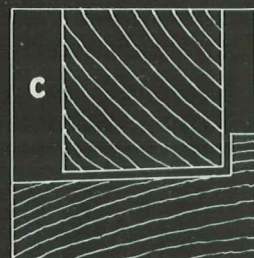
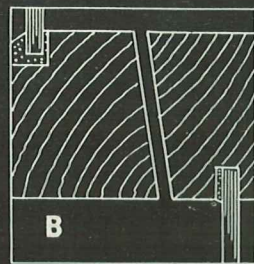
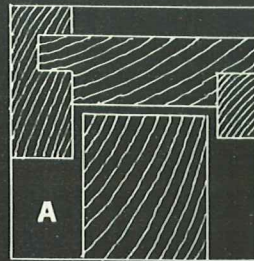
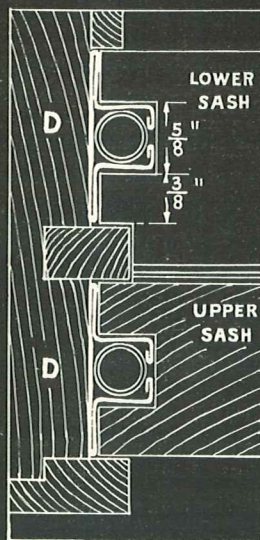
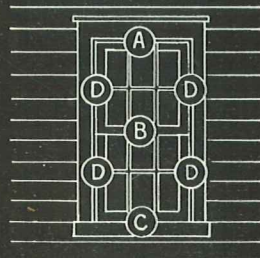
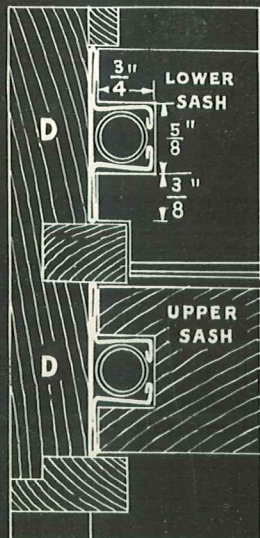
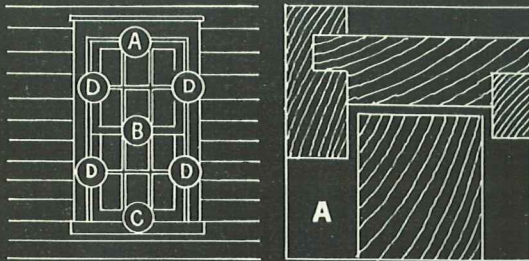
Master No-Draft Sash Balance is made in sizes to fit any double hung window and may be used on either new or old sash, with or without full-opening weatherstripping.

⑥

Laboratory tested materials used in Master No-Draft Sash Balance assure long life, and thousands of installations prove the practical and time tested utility of this unit.

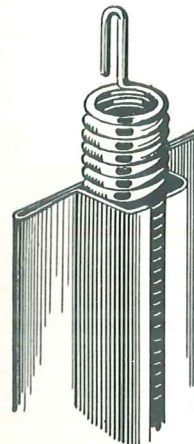
U. S. Pat. No.
2,158,963-2,101,577

MASTER NO-DRAFT SASH BALANCE



The reverse drawing on the left shows detailed cross sections of a typical double hung window indicating installed positions of Master No-Draft Balance, alone and with additional Master Weatherstripping for head, meeting rail, and sill.

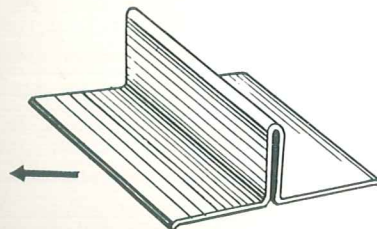
The illustration on opposite page shows how Master Sash Balance is fastened to the upper sash and then inserted in the window frame, where in the case of frames with pulley openings, it simply covers them. No special frames are required and the work may be successfully done by the average carpenter.



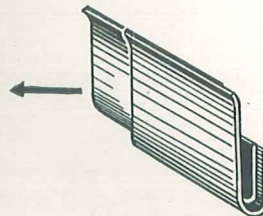
Spring and spring housing of Master Sash Balance is made from highly tempered nickel aluminum alloy, a long-wearing rust-proof metal with the exact amount of resilience and tension for smooth sash operation. The spring is tested for 25,000 window movements. There are four springs for each window opening—two for each sash—made in various tensions to fit all sash sizes.



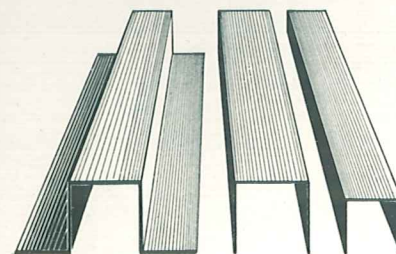
The definite advantage of complete weatherstripping is obvious and Master Strips used in conjunction with Master Sash Balance makes a perfectly sealed window. Note that Master No-Draft maintains the time-tested principle of tongue and groove weatherstripping at all points, making a continuous seal around the perimeter of the frame.



Master Strip No. 4PX is used at head and sill (A and C) fitting into sash groove.



At the meeting rail (B) Master Strips Nos. 11 and 12 provide an interlocking seal for both sash, making them weathertight at this important place.



To the left is an illustration of two parting stop covers and metal parting stop sometimes used to replace wood stop. The use of parting stop covers provides the frame with a completely metal covered jamb, making a very attractive job and providing additional jamb protection as well.

MASTER METAL STRIP SERVICE



MASTER NO-DRAFT SASH BALANCE



Convenient, easy sash control with finger-tip operation, combined with efficient weatherstripping and simple installation are the features of Master No-Draft Sash Balance. These advantages are of definite importance in modern functional design and, therefore, interesting to every architect. Master No-Draft Sash Balance is a time proven unit both in new housing and as replacement equipment in modernizing and remodeling work. For example, in the 17-story apartment located at 6230 N. Kenmore Avenue, Chicago, Illinois, built by A. L. Jackson Company, General Contractors, and Frank A. McNally and Associates, Architects and Engineers, Master No-Draft equipment is used to balance and weatherstrip all windows, even though the frames were originally planned for pulley weights. In this case cost savings were not a primary consideration as the weatherstrip efficiency and easy sash operation were considered of greatest importance.

PARTIAL LIST OF INSTALLATIONS

- | | |
|--|--|
| CHANDLER & CHANDLER (29 Homes), Memphis, Tenn.
J. Frazer Smith, Archt. | C. DAVIS RESIDENCE, Rochester, N. Y.
Leland T. Pflanz, Cont. Joseph Hoeffner, Archt. |
| L. L. JAMES RESIDENCE, Tyler, Tex.
T. J. Thompson, Archt. | J. R. RIDGWAY RESIDENCE, Minnetonka, Minn.
Adams Const. Co., Cont. Magney-Tusler & Setter, Archt. |
| CHAS. MARTIN RESIDENCE, Denver, Colo.
Guy Martin Lumber Co., Cont. Ray O'Dell, Archt. | HOTEL DUDLEY, Brookings, S. D.
Iver Raad, Cont. E. F. Zimmerman, Archt. |
| M. CANFIELD RESIDENCE, Gustavus, Ohio
Merle Canfield, Archt. | GROUP OF HOMES, Sycamore Hill, Md.
Daniel, Daniel and Daniel, Archts. |
| P. A. SHERRARD RESIDENCE, San Bernardino, Cal.
Wm. Thies, Cont. Jerome Armstrong, Archt. | CHAS. HALE RESIDENCE, Saginaw, Mich.
E. E. Harrison, Cont. Wm. H. Stone, Archt. |
| DR. J. F. BURKET RESIDENCE, Kingman, Kan.
Stearns & Robinson, Cont. Ken G. Miller, Archt. | O. A. DYE RESIDENCE, Boise, Idaho
O. A. Dye, Cont. Coast Lumber Co., Archt. |
| DR. F. TEAL RESIDENCE, Lincoln, Neb.
Sweeney Const. Co., Cont. Selmer A. Solheim, Archt. | MRS. HOLLOMAN RESIDENCE, Alexandria, La.
C. L. Goss, Cont. Max Heinberg, Archt. |
| ASSOCIATED REALTY CO. HOMES, Healy Heights,
Portland, Ore.
F. G. Neth, Cont. Martin & Reif, Archt. | WOOD APARTMENT BUILDING, Waynesboro, Va.
Jesse C. Wood, Cont. Craig & Hurt, Archt. |
| J. B. IRWIN RESIDENCE, Garden Oaks, Houston, Tex.
J. B. Irwin, Archt. | DR. F. M. MARTIN RESIDENCE, San Antonio, Tex.
Fred Poage, Cont. J. Fred Buenz, Archt. |
| DR. J. YOUNGER RESIDENCE, Amarillo, Tex.
W. H. Cooper & Sons, Cont. Cooper's Plan Service | C. A. LAMBERT RESIDENCE, Fresno, Calif.
Arthur Lambert, Archt. |
| WETUMPKA HOSPITAL, Wetumpka, Ala.
E. L. Clark, Cont. | B. E. WILSON RESIDENCE, Del Rio, Texas
J. E. Wrigley, Archt. P. L. Shoop, Cont. |
| E. G. ERICKSON RESIDENCE, Burlington, Iowa
Carl Nelson, Cont. Hugh Kneisley, Archt. | HOTEL GENERAL BEADLE, Madison, S. D.
E. F. Zimmerman, Cont. |
| J. D. EDENS RESIDENCE, Columbia, S. C.
T. E. Moore, Cont. Jas. B. Urquhart, Archt. | TUNANDER APARTMENTS, Columbia, S. C.
L. A. Cotter, Archt. LaFaye, LaFaye & Fair, Cont. |
| J. L. GRIMMETT RESIDENCE, Idaho Falls, Idaho
J. L. Grimmer, Archt. | AMERICAN HOMES, Stamford, Connecticut
American Homes, Inc., Cont. |
| J. S. KING RESIDENCE, Cleburne, Tex.
J. R. Wallis, Jr., Cont. Fred W. Murphree, Archt. | MITCHELL ESTATES, Stamford, Connecticut
American Homes, Inc., Cont. |
| O. E. LEE APARTMENT BLDG., Billings, Mont.
J. L. Thorpe, Archt. | WELLESLEY APARTMENT HOUSE, Wellesley Hills, Mass.
D'Amore Construction Co., Cont. |
| H. OVERLY, JR. RESIDENCE, Eggertsville (Buffalo), N. Y.
F. L. Springstead, Cont. H. C. Swain, Archt. | BEARDSLEY PARK HOMES, INC., Bridgeport, Connecticut
Wm. Schoenberg, Archt. |
| MARY McKAY RESIDENCE, Carlsbad, N. M.
D. C. Lemmons, Cont. VanHur Company, Archt. | KEENER APARTMENTS, Salem, Ohio
Nelson & Gross, Cont. |

WEATHERSTRIPS

FOR *Double Hung* WINDOWS RESIDENTIAL

For residential work where the equipment is subject to only moderate use, Equipment "A" is ordinarily specified. Here, of course, the lower cost also is a factor of importance.

Sash grooves are 9/64 in. wide and 1/2 in. deep, allowing a clearance of 1/64 in. Experience has shown this clearance permits maximum efficiency yet is sufficient to allow the sash to operate smoothly even though the wood may swell. Strips are wide enough to cover full width at head, sill, and pulley stiles. Height of rib strip is full 1/2 in., assuring positive contact regardless of sash shrinkage.

MASTER EQUIPMENT "A"

Meeting Rail Strips 12 Gauge Zinc (.028)
All Other Strips 9 Gauge Zinc (.018)

Meeting Rail	Head Strip	Sill Strip	Lower Side Strip	Upper Side Strip	Thickness of Sash
Nos. 11 and 12	No. 4P	No. 6P	No. 6C	No. 4C	1 3/8"
Nos. 11 and 12	No. 6P	No. 7P	No. 7C	No. 6C	1 3/4"
Nos. 11 and 12	No. 8P	No. 9P	No. 9C	No. 8C	2 1/4"

ALSO AVAILABLE IN COLD ROLLED BRONZE

A practical, heavy duty equipment which conforms to Government specifications for post offices, schools, and other public buildings where abnormal usage is apt to be encountered.

Grooves are lined with metal liners, providing metal to metal contact at all points. Head strip and sill strip are of heavy 12 gauge zinc to withstand possible damage by window washers or others. Side strips are one gauge heavier than used for ordinary equipment. Standard height of rib strips is full 1/2 in., but 5/8 in. high rib can also be furnished.

It is advisable to specify Equipment "B" for large windows and for sash thicker than 1 3/4 in.

MASTER EQUIPMENT "B"

Meeting Rail, Male Member, 9 Gauge Zinc Doubled (.018)

Meeting Rail, Female Member, 12 Gauge Zinc (.028)

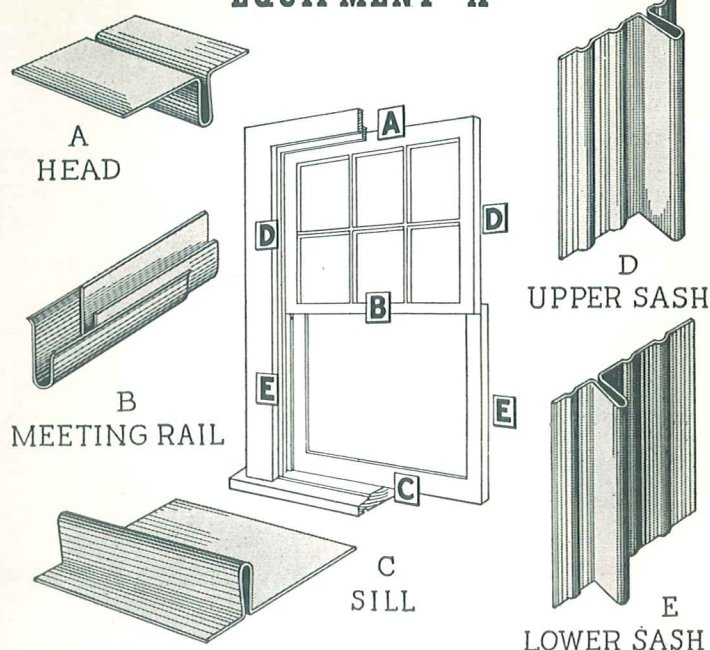
Head and Sill Strips 12 Gauge Zinc (.028)

Side Strips 10 Gauge Zinc (.020)

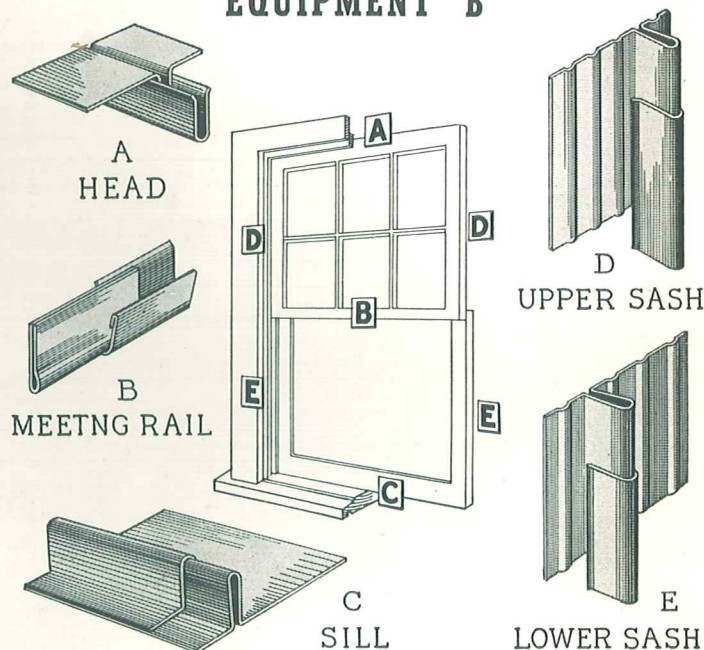
Meeting Rail	Head Strip	Sill Strip	Lower Side Strip	Upper Side Strip	Thickness of Sash
Nos. 87 and 89	No. 4S	No. 6S	No. 6C	No. 4C	1 3/8"
Nos. 87 and 89	No. 6S	No. 7S	No. 7C	No. 6C	1 3/4"
Nos. 87 and 89	No. 8S	No. 9S	No. 9C	No. 8C	2 1/4"

Nos. 15 or 16 Liner Strip for All Grooves

EQUIPMENT "A"



EQUIPMENT "B"



WEATHERSTRIPS

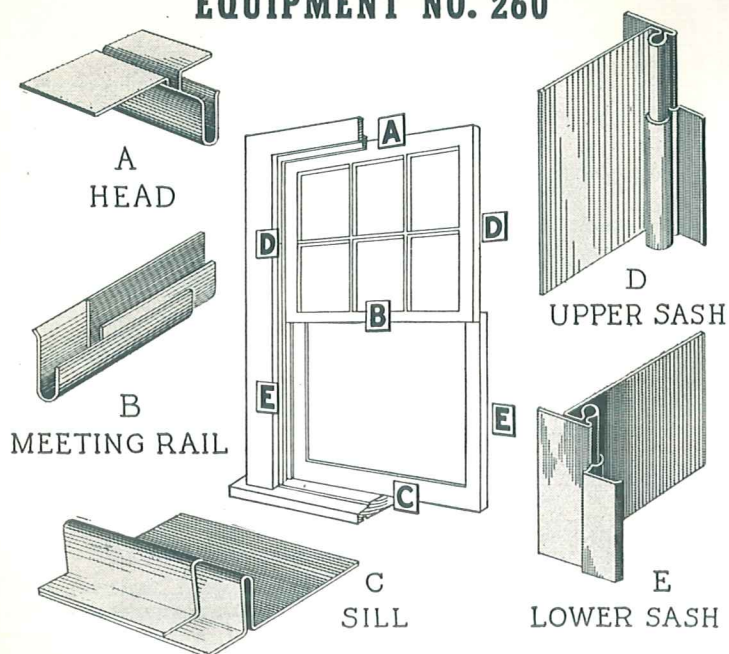
FOR *Double Hung* WINDOWS RESIDENTIAL

Master No. 260 Tubular Equipment for double hung windows is notable for its high efficiency, easy sliding action, and ability to adjust itself to changes in the sash caused by warpage or shrinkage. Metal to metal contact at all points is provided by the use of zinc interliners in all grooves.

The ideal weatherstrip equipment for either old or new work.

Furnished in cold rolled bronze as well as the standard cross grain zinc.

EQUIPMENT NO. 260



MASTER EQUIPMENT NO. 260

Meeting Rail Strips 12 Gauge Zinc (.028)

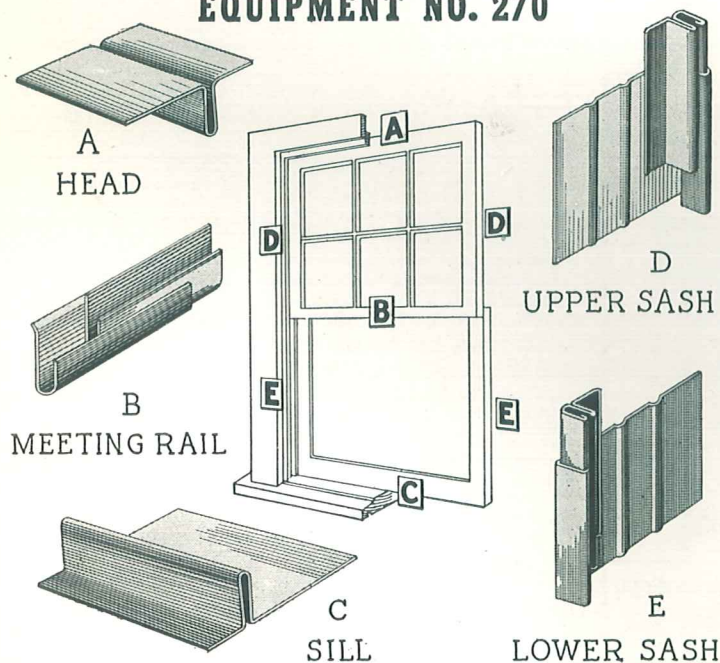
Liner Strips 8 Gauge Zinc (.016)

All Other Strips 9 Gauge Zinc (.018)

Meeting Rail	Head Strip	Sill Strip	Lower Side Strips	Upper Side Strips	Thick-ness of sash
Nos. 11 and 12	No. 4P	No. 6P	No. 261	No. 260	1 3/8"
Nos. 11 and 12	No. 6P	No. 7P	No. 262	No. 261	1 3/4"
Nos. 11 and 12	No. 8P	No. 9P	No. 262X	No. 261X	2 1/4"

No. 16 Liner Strip For All Grooves

EQUIPMENT NO. 270



Master Equipment No. 270 for double hung windows has many of the good features of the Master Tubular Equipment, including the ability to adjust itself to expansion and contraction of the sash.

While the action is flexible, the strips themselves are made of substantial 9 gauge cross grain zinc and are designed to endure.

This equipment is particularly well adapted to sash equipped with special sash balances, such as Unique, Pullman, etc. where the ordinary type of weatherstrip cannot be used.

MASTER EQUIPMENT NO. 270

Meeting Rail Strips 12 Gauge Zinc (.028)

All Other Strips 9 Gauge Zinc (.018)

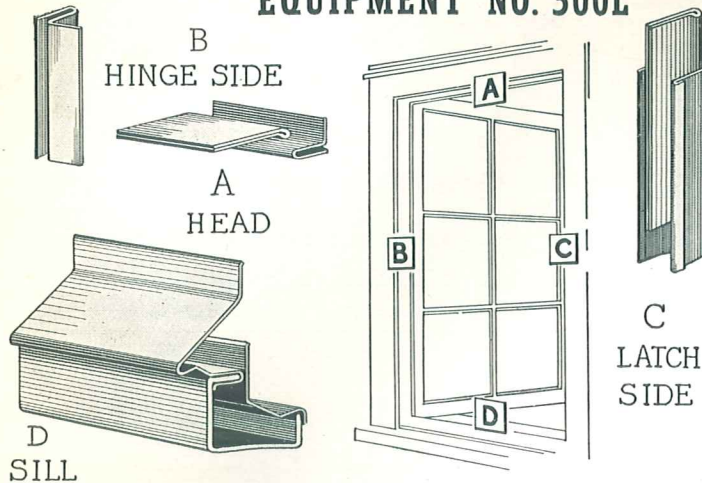
Meeting Rail	Head Strip	Sill Strip	Lower Side Strips	Upper Side Strips	Thick-ness of sash
Nos. 11 and 12	No. 4P	No. 6P	No. 271	No. 270	1 3/8"
Nos. 11 and 12	No. 6P	No. 7P	No. 272	No. 271	1 3/4"
Nos. 11 and 12	No. 8P	No. 9P	No. 273	No. 272X	2 1/4"

LINER STRIPS OPTIONAL FOR HEAD AND BOTTOM GROOVES

MASTER METAL  STRIP SERVICE

WEATHERSTRIPS

EQUIPMENT NO. 300L



FOR Casement WINDOWS RESIDENTIAL

This is a very satisfactory equipment for weatherstripping inswinging wood casements.

The capacity of the trough is ample to permit a considerable amount of water to drain off through the weep holes. For the sides and tops of casements, the same equipments used on doors are also applicable. In this case we show heavy zinc interlocking strips at the heads, sides, and centers.

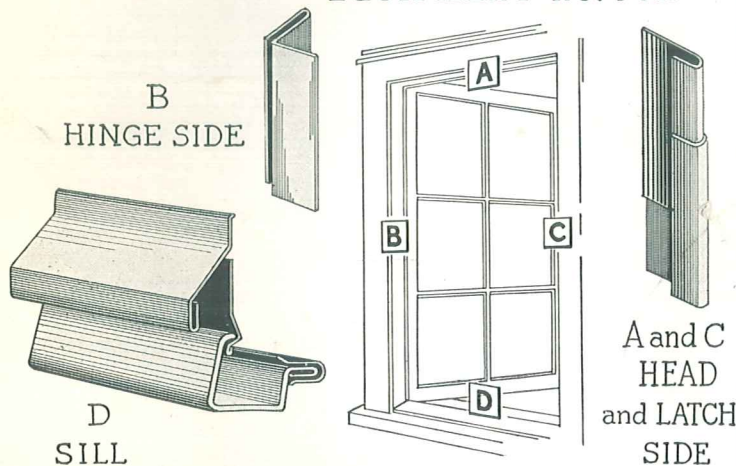
In conjunction with the heavy channel is a tightly interlocking hook and a flexible bronze tension strip to provide complete protection in sealing out cold air and dust as well as moisture.

MASTER EQUIPMENT NO. 300L

Sill	Latch Side	Hinge Side	Head	Center (Double Casements)
No. 300	Nos. 87-89	17	87-17	87-89

ALSO AVAILABLE IN COLD ROLLED BRONZE

EQUIPMENT NO. 70K



Undoubtedly more inswinging casement windows have been weatherstripped with No. 70-K Equipment than any other type.

It consists of three members, a heavy zinc channel, a flexible bronze front member, and an interlocking zinc rear hook.

Weep holes are provided to allow water to drain out. Caulking compound is used under this channel as well as others shown on this page to prevent water seeping through at that point.

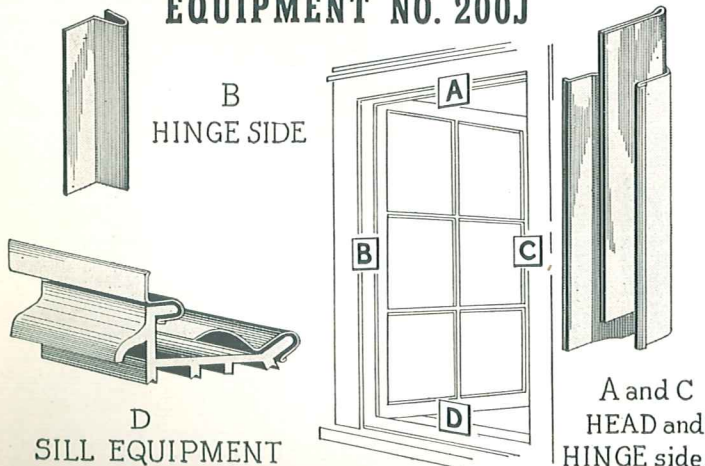
Where exposure is not unduly severe, spring bronze weatherstrips can be substituted at the sides and top with satisfactory results.

MASTER EQUIPMENT NO. 70K

Sill	Latch Side	Hinge Side	Head	Center (Double Casements)
No. 70	Nos. 11-12	No. 18	Nos. 11-12	Nos. 11-12

ALSO AVAILABLE IN COLD ROLLED BRONZE

EQUIPMENT NO. 200J



U. S. PATENT NO. 2,202,482

This new sill equipment is especially designed to overcome the problem of condensation forming on the glass of inswinging casements. Such condensation as may form runs into the channel and is carried off through the weep holes. The drip cap, which is an integral part of the channel, prevents water being forced directly through, and also is a protection against clogging up the weep holes when painting is being done.

The interlocking hook and the spring tension strip are both made from "Masterloy" aluminum alloy to conform to the channel itself. This is probably the most watertight casement channel on the market.

MASTER EQUIPMENT NO. 200J

Sill	Latch Side	Hinge Side	Head	Center (Double Casements)	Sash Thickness
No. 200	Nos. 187-88B	No. 17B	Nos. 187-88B	Nos. 187-74	1 3/8"
No. 201	Nos. 187-88B	No. 17B	Nos. 187-88B	Nos. 187-74	1 3/4"

MASTER METAL

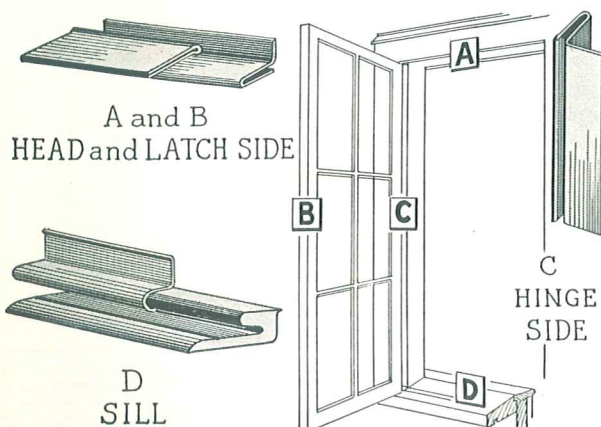


STRIP SERVICE

WEATHERSTRIPS

**FOR Outswinging Casement
WINDOWS RESIDENTIAL**

EQUIPMENT NO. 80L

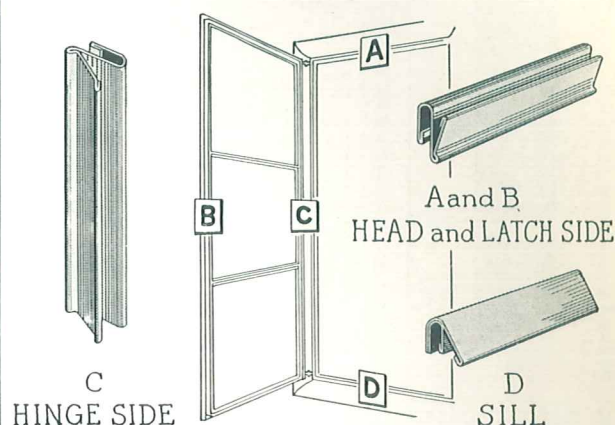


This equipment consists of a heavy alumilite sill member interlocking with a heavy hook of the same metal. Interlocking strips are shown for the sides and top and are recommended for severe exposures. Spring Bronze or Spring Aluminum tension strips are satisfactory under ordinary conditions.

Bottom equipment easily installed with minimum of cutting.

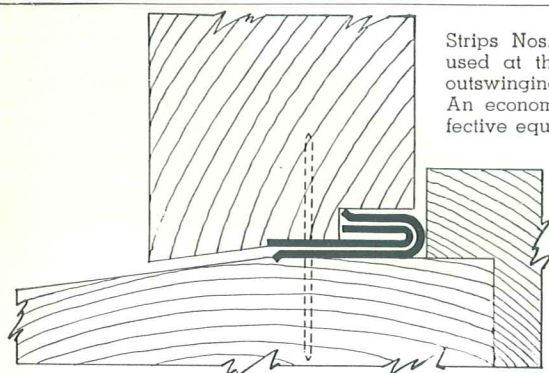
**FOR Steel Casement WINDOWS
RESIDENTIAL**

EQUIPMENT NO. 500

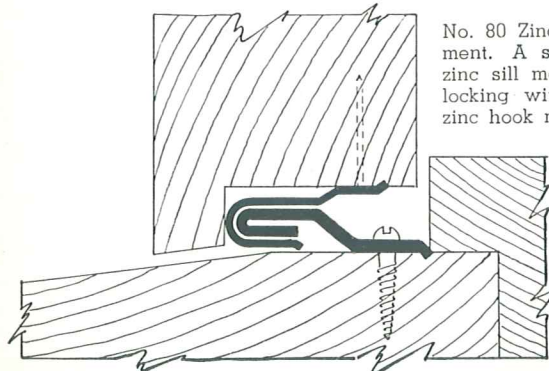


Master No. 500 is a time-tested weatherstrip equipment successfully used on thousands of steel windows throughout the country. All strips are made of highly flexible Spring Bronze and so designed as to permit the window to close tightly with a minimum of effort. The strips clamp onto the flanges of the frame and the corners are neatly mitered and fastened with small Parker-Kalon screws.

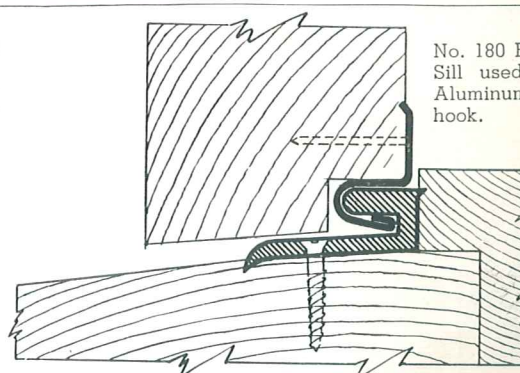
SILL ASSEMBLIES



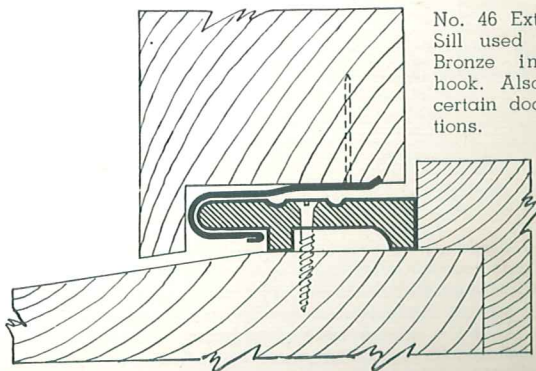
Strips Nos. 11 and 12 used at the bottom of outswinging casements. An economical and effective equipment.



No. 80 Zinc Sill equipment. A sturdy rolled zinc sill member interlocking with a heavy zinc hook member.



No. 180 Extruded Brass Sill used with Spring Aluminum interlocking hook.



No. 46 Extruded Brass Sill used with Spring Bronze interlocking hook. Also adapted to certain door sill conditions.

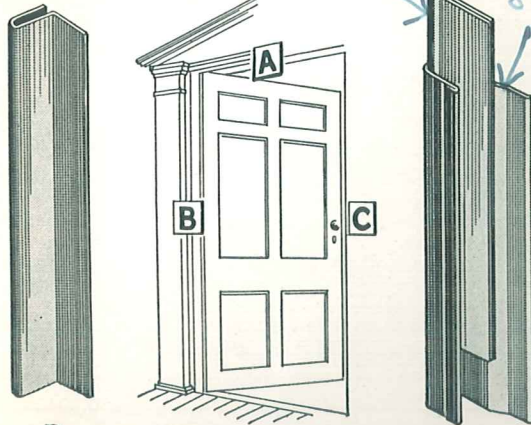
MASTER METAL  STRIP SERVICE

WEATHERSTRIPS FOR DOORS

#170
#117

EQUIPMENT "J"

#87 #187 #88B

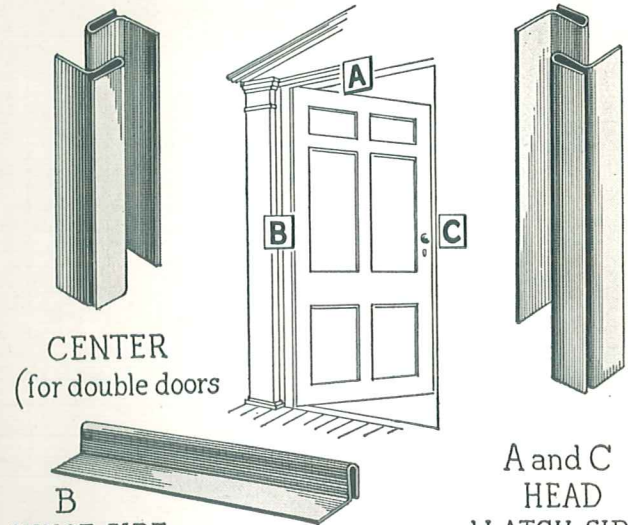


B
HINGE SIDE

A and C
LATCH SIDE and HEAD

Equipment shown above is especially designed to adjust itself to shrinkage or swelling of the door up to 1/4 in. All members are bronze, hook strip being of spring temper. This is the best possible weatherstrip equipment for use on outside doors where there is severe weather exposure.

EQUIPMENT "W"



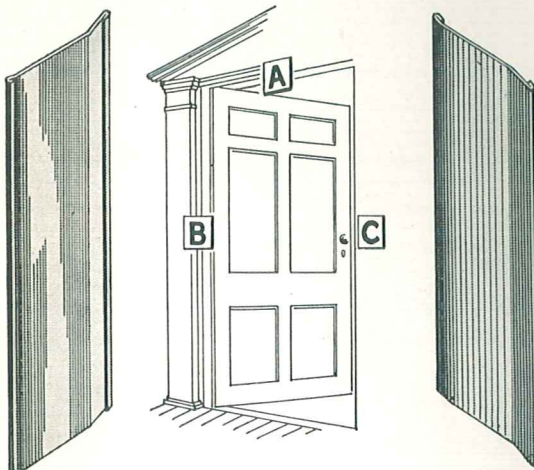
CENTER
(for double doors)

B
HINGE SIDE

A and C
HEAD
and LATCH SIDE

An efficient type of interlocking weatherstrip equipment for outside wood doors, available in both zinc and cold-rolled bronze. This type of equipment is commonly used and has proved its efficiency over a period of years. All strips are routed in, permitting a minimum of exposed nails.

EQUIPMENT "P"

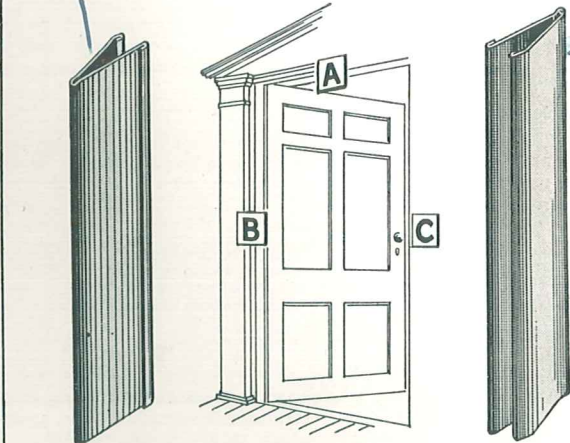


B
HINGE SIDE

A and C
LATCH SIDE and HEAD

Spring Bronze weatherstrips are universally used on wood doors under typical conditions. Master Spring Bronze weatherstrips are made from a special quality of metal, highly tempered to insure lasting resiliency. Edges are double hemmed to eliminate humming. This type of weatherstrip is adjustable to varying door clearances.

EQUIPMENT "Q"



B
HINGE SIDE

A and C
LATCH SIDE and HEAD

Master Cushion Bronze as shown in this equipment is especially designed to give easier operation of doors and casements. It will not sing or hum in the wind and is thoroughly efficient in stopping both air and water leakage. Available in both highly tempered Spring Bronze and Aluminum alloy.

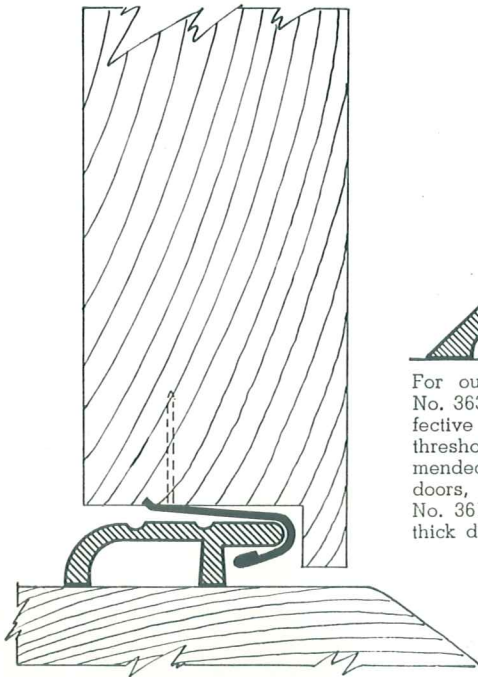
MASTER METAL



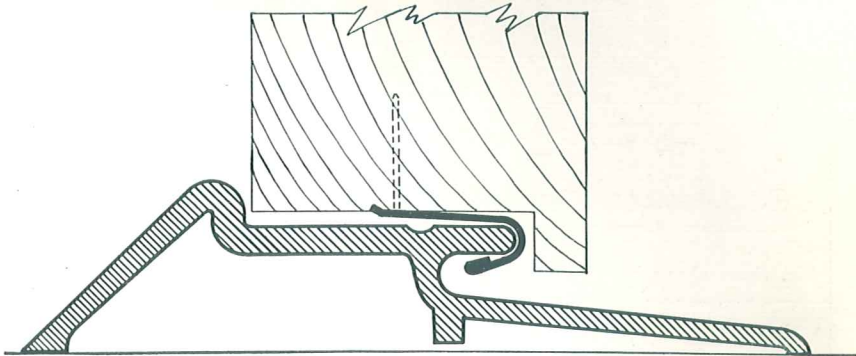
STRIP SERVICE

DOOR THRESHOLDS

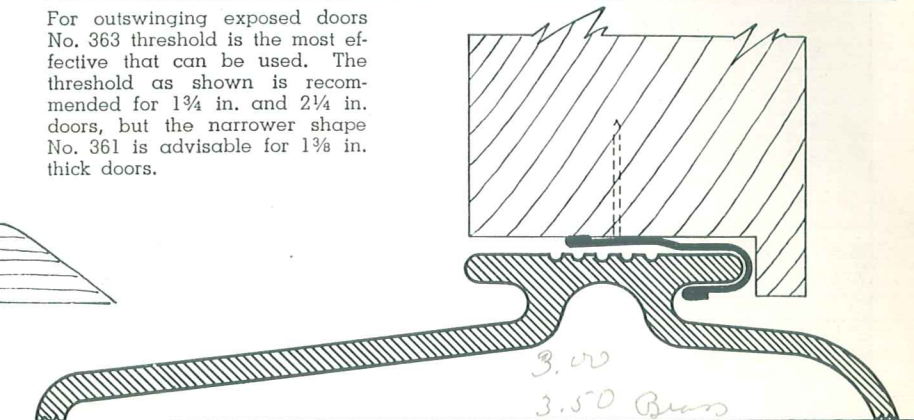
Shown below are full-size installation details of several representative door sill assemblies. All Master thresholds are available in extruded brass (Architectural bronze), or aluminum alloy with Alumilite finish.



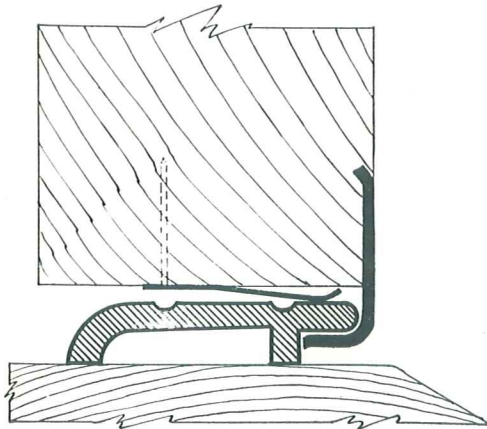
No. 42 extruded brass threshold used with heavy brass interlocking hook. Customarily used on 1½ in. thick doors. For 1¾ in. doors a wider threshold is recommended.



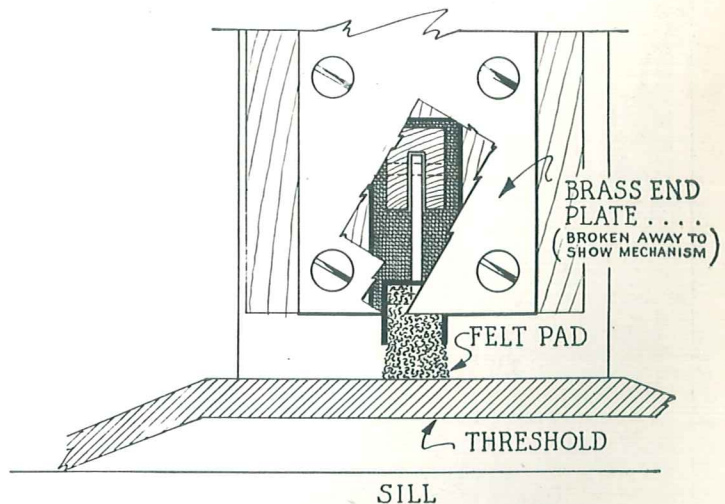
For outswinging exposed doors No. 363 threshold is the most effective that can be used. The threshold as shown is recommended for 1¾ in. and 2¼ in. doors, but the narrower shape No. 361 is advisable for 1½ in. thick doors.



The threshold shown above is Master No. 52 used with flexible Spring Bronze hook No. 35. This threshold is extremely attractive in appearance and provides an excellent weatherstrip seal for the sills of exposed front doors. This type of threshold can be furnished in a variety of widths from 3 in. to 5½ in. wide.



A practical and highly efficient installation of Master No. 43 Brass Threshold with No. 34S surface hook and Spring Bronze insert strip. The substantial No. 34S hook is fastened to the face of the door with counter-sunk wood screws in such a manner as to interlock with the lip of the threshold. The flexible bronze insert strip provides a satisfactory weatherstrip seal.

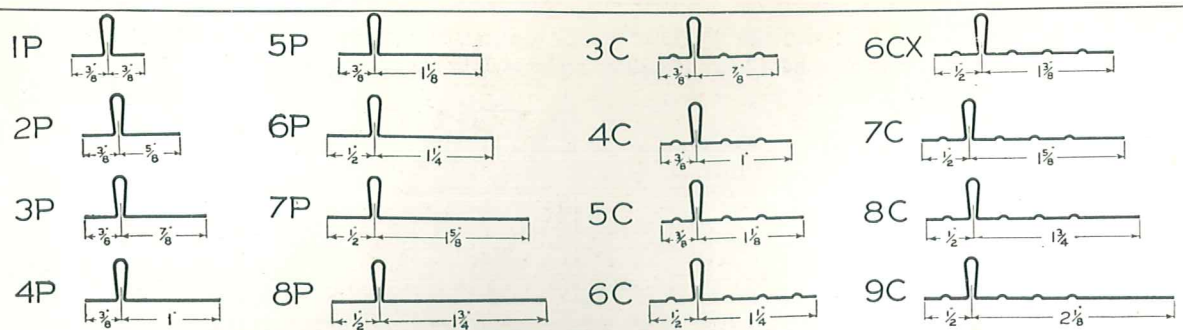


End view of Master Automatic Door Bottom No. 93. For bedroom and other inside doors this type of equipment efficiently controls air infiltration and is a means of soundproofing as well. In homes where heat is controlled by thermostat this door bottom reduces heating costs substantially. The equipment is concealed in the bottom of the door and when door closes, a one-piece felted bar is projected to the floor providing snug contact even though the floor is not absolutely level.

MASTER METAL  STRIP SERVICE

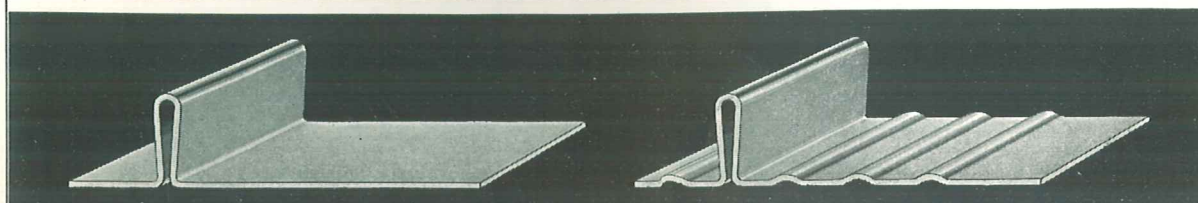
MASTER WEATHERSTRIP SECTIONS

FOR *Double Hung* WINDOWS



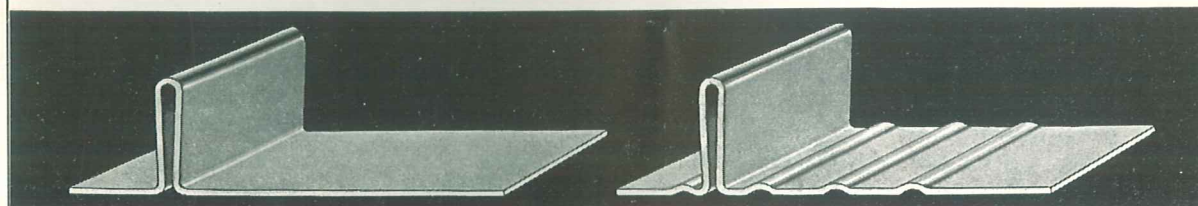
RIB STRIP CHART—ONE-HALF SIZE DETAILS

The chart above shows stock widths and dimensions of Master Rib Strip. The standard height of the rib is $\frac{1}{2}$ -in.



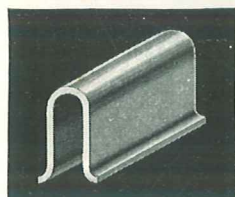
Plain rib strip used on heads and sills of double hung windows.

Corrugated rib strip used on jambs of double hung windows.



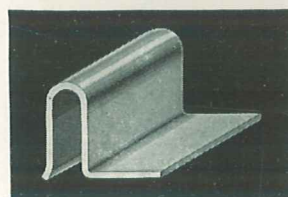
Master heavy duty rib strip used on heads and sills of double hung windows. Height of rib is $\frac{5}{8}$ in.

Corrugated jamb strip used for heavy duty equipment. Regular height is $\frac{5}{8}$ in.



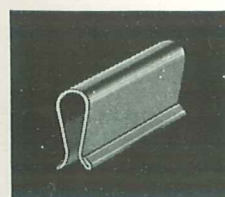
No. 16 liner, 8 gauge zinc.

No. 116 Cold-rolled Bronze.

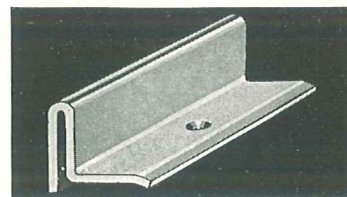


No. 15 liner, 9 gauge zinc.

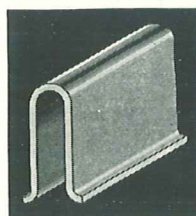
No. 115 Cold-rolled Bronze.



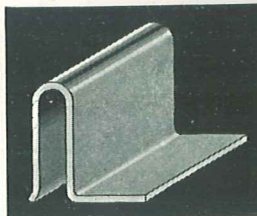
No. 114 flexible bronze liner.



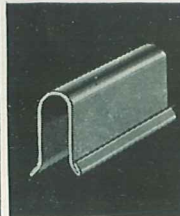
No. 10S heavy 15 gauge zinc sill strip.



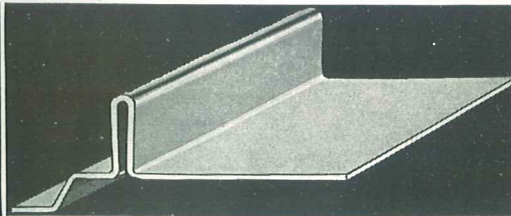
No. 16H liner, 9 gauge zinc.
No. 116H Cold-rolled Bronze.



No. 15H, 9 gauge zinc.
No. 115H Cold-rolled Bronze.



No. 114B flexible Bronze liner.



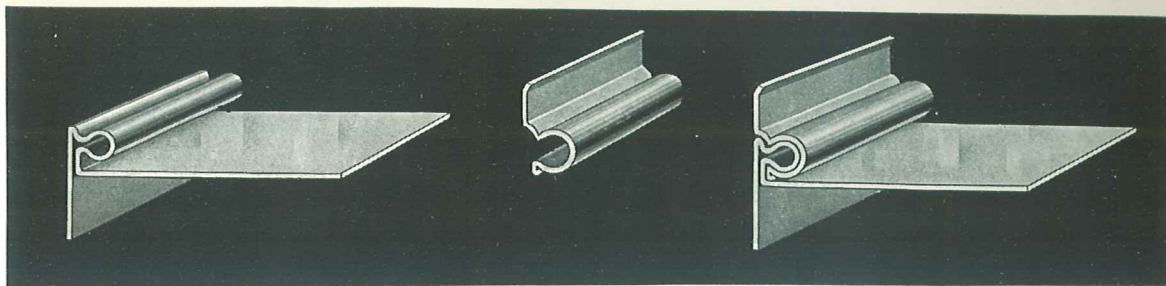
No. 10 offset zinc sill strip furnished in all widths.

Note: Special sill strips can be supplied to fit unusual sill conditions when required.

MASTER METAL  STRIP SERVICE

MASTER WEATHERSTRIP SECTIONS

FOR *Double Hung* WINDOWS

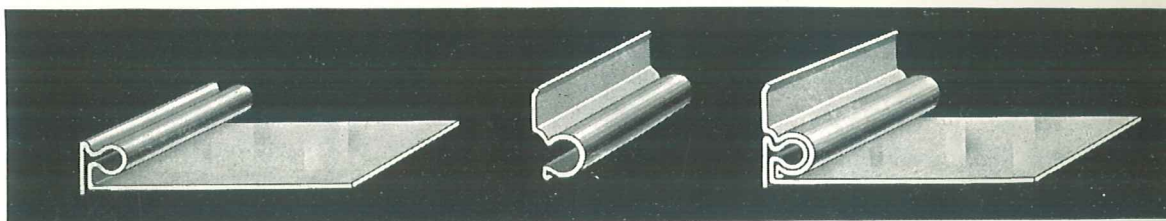


MASTER 2-MEMBER TUBULAR STRIP

No. 260 1 3/8" wide,
9 gauge zinc

No. 261 1 3/4" wide,
9 gauge zinc

No. 262 2" wide,
9 gauge zinc

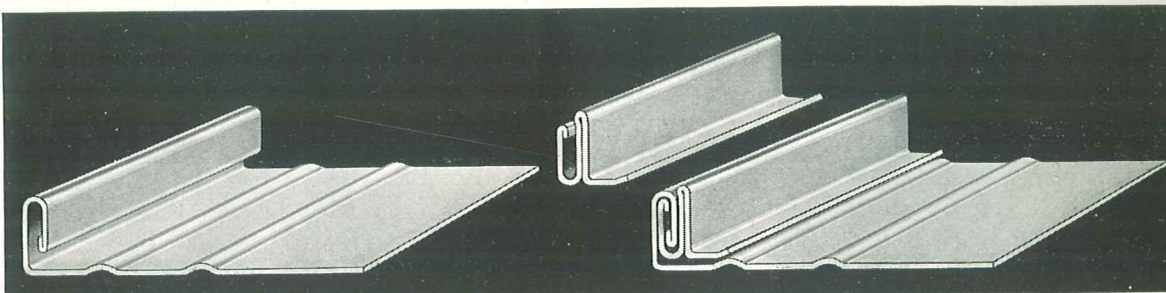


MASTER 2-MEMBER TUBULAR STRIP (without flange)

No. 263 1 3/8" wide,
9 gauge zinc

No. 264 1 3/4" wide,
9 gauge zinc

No. 265 2" wide,
9 gauge zinc

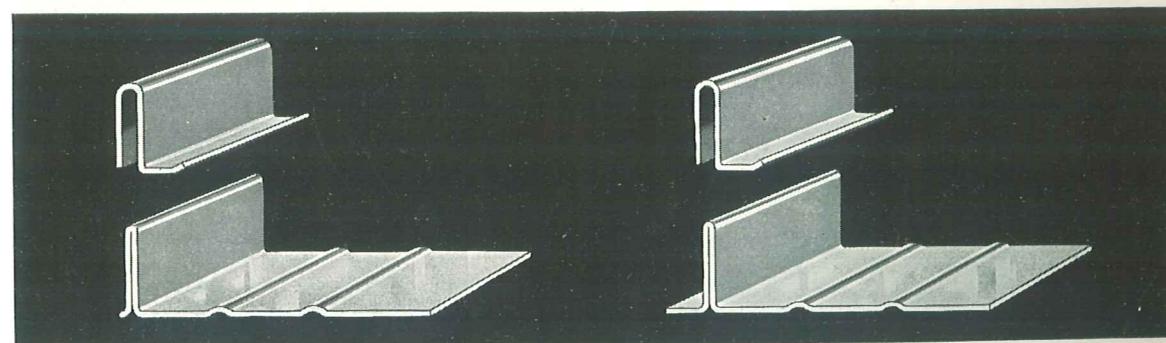


MASTER FLEXIBLE INTERLOCKING STRIP

No. 270 1 3/8" wide,
9 gauge zinc

No. 271 1 3/4" wide,
9 gauge zinc

No. 272 2" wide,
9 gauge zinc



MASTER SLIDE-EZY EQUIPMENT

Without Kerfing Flange
No. 204S 1 3/8" wide, 9 gauge zinc
No. 205S 1 1/2" wide, 9 gauge zinc
No. 206S 1 3/4" wide, 9 gauge zinc
No. 207S 2" wide, 9 gauge zinc

With Kerfing Flange
No. 204 1 3/8" wide, 9 gauge zinc
No. 205 1 1/2" wide, 9 gauge zinc
No. 206 1 3/4" wide, 9 gauge zinc
No. 207 2" wide, 9 gauge zinc

MASTER METAL

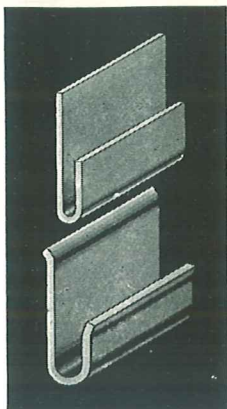


STRIP SERVICE

MASTER WEATHERSTRIP SECTIONS

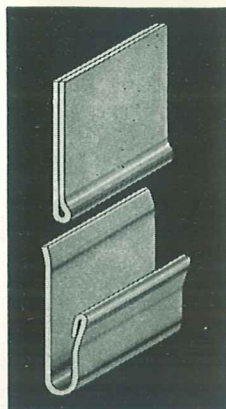
FOR *Double Hung* WINDOWS

INTERLOCKING MEETING RAIL STRIPS



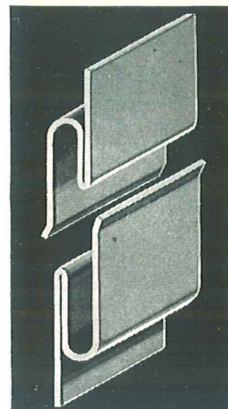
Zinc
No. 11 Hook, 12 gauge
No. 12 Flat, 10 gauge
No. 12-H Flat, 12 gauge

Cold Rolled Bronze
No. 111 Hook, 22 B&S gauge
No. 112 Flat, 24 B&S gauge



Zinc
No. 87 Doubled Flat, 9 gauge
No. 89 Hemmed Hook, 12 gauge
 Cold Rolled Bronze
No. 187 Doubled Flat, 26 B&S gauge

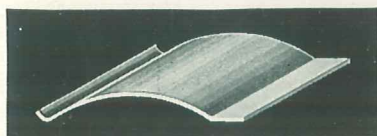
No. 189 Hemmed Hook, 22 B&S gauge



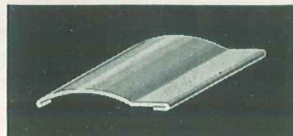
Zinc
No. 13 Double Nailing Hook Strips, 9 gauge

Cold Rolled Bronze
No. 13-B Double Nailing Hook Strips, 26 B&S gauge

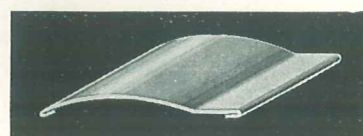
Spring Bronze Meeting Rail Strips



No. 121 1 1/8" wide, 31 B&S gauge

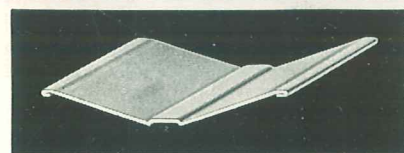


No. 122 3/4" wide, 32 B&S gauge

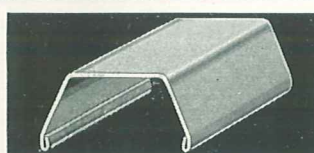


No. 123 1 1/8" wide, 31 B&S gauge

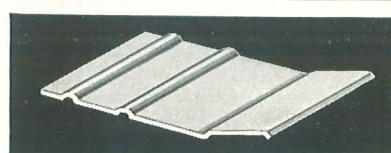
Ezy-Ply Double-Hung Strips



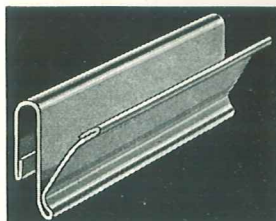
No. 131 1 1/4" wide, 33 B&S gauge



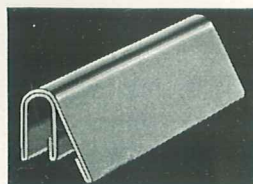
No. 132 1/2" wide, 33 B&S gauge



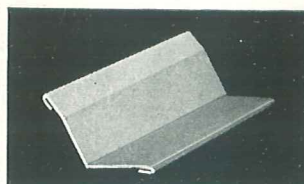
No. 130 1 1/4" wide, 31 B&S gauge



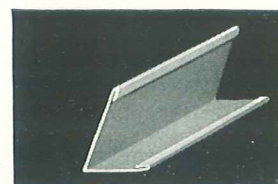
No. 506



No. 507

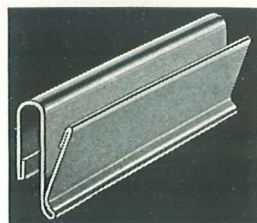


No. 315 Lower Sash Strip, 34 gauge Spring Bronze



No. 316 Upper Sash Strip, 34 gauge Spring Bronze

Above and to the right are Strips Nos. 505-506-507 for steel sash installation. These strips are furnished with small Parker-Kalon screws for fastening at the corners.



No. 505

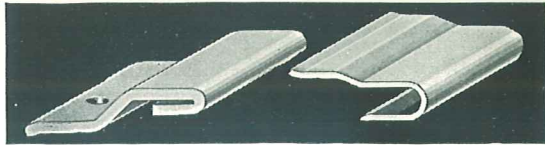
Strips Nos. 315 and 316 are used at the sides of double hung wood windows. Can be used to advantage on sash balanced with special sash balances or extension spring balances. Made from highly tempered flexible spring bronze. The strips are installed to extend the entire length of the sash opening which prevents any possibility of rattle when the windows are open.

MASTER METAL  STRIP SERVICE

MASTER WEATHERSTRIP SECTIONS

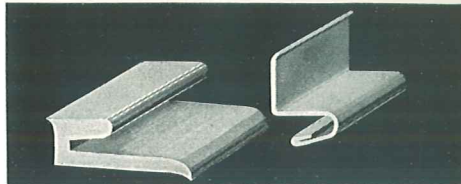
MISCELLANEOUS EQUIPMENT

Outswinging Casement Sills

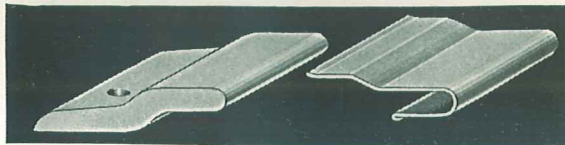


Above:
No. 80
Zinc Sill Assembly
15 gauge

No. 81
Brass Sill Assembly
18 B&S gauge



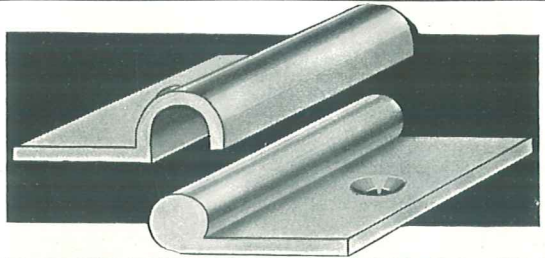
No. 180 EXTRUDED ALUMILITE SILL ASSEMBLY



Above:
No. 82
Extruded Brass Sill

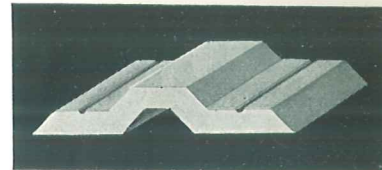
No. 74
Bronze Hook
30 B&S gauge

Brass and Alumilite Astragals

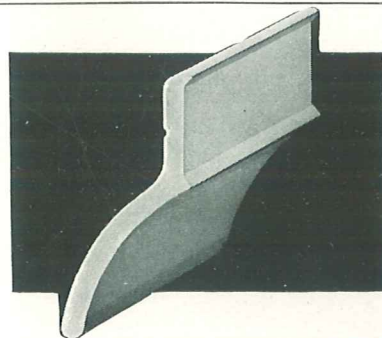


Left: **Nos. 160 and 161**
Extruded brass astragal
strips for the centers of
heavy single acting
double doors.

Right: **No. 79-A**
Extruded Alumilite as-
tragal strip. A tarnish
proof and attractive
astragal for double
doors or casements.

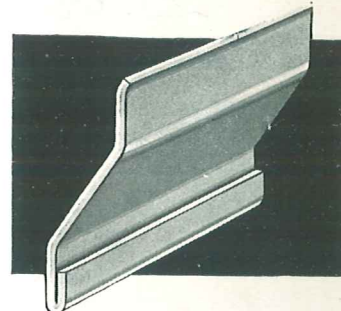


Metal Water-Drips

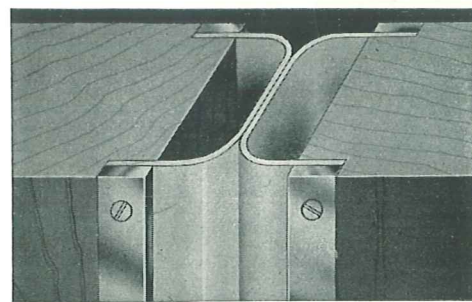


The illustration to the
left shows No. 76A ex-
truded Alumilite wa-
ter drip. A sturdy and
handsome water drip
for use on casements
or doors.

The illustration to the
right is No. 76 zinc
water drip; also fur-
nished in rolled brass
under No. 176.

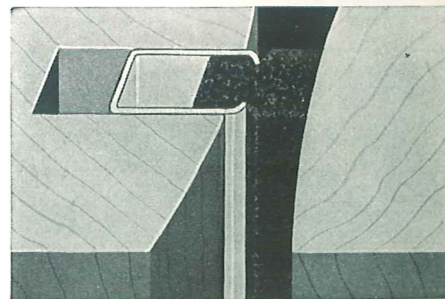


For Center of Double Doors



No. 150 $\frac{1}{8}$ " x $\frac{1}{2}$ " Brass Bar
No. 151 $\frac{1}{8}$ " x $\frac{1}{2}$ " Aluminum Bar
No. 152 $\frac{3}{4}$ " Black Rubber
No. 153 4" White Rubber

Illustrated here are
two practical and ef-
ficient equipments for
weather stripping the
centers of double act-
ing doors. For doors
of public buildings
subject to a great deal
of use, the metal and
rubber combination is
recommended. A spe-
cial fabric reinforced
rubber is used to pro-
vide good wearing
qualities.

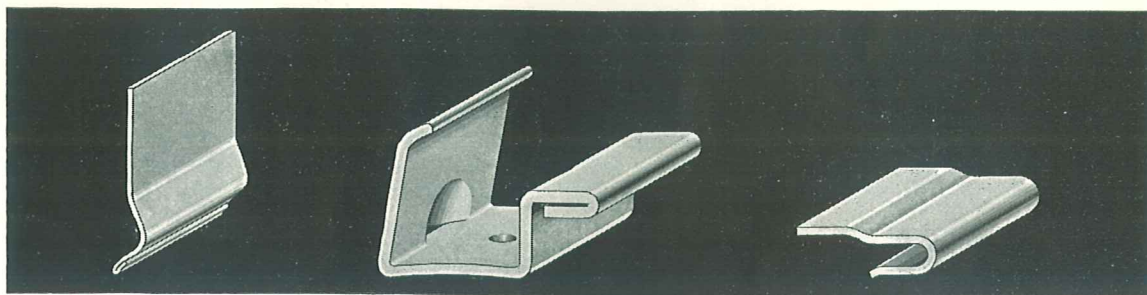


No. 95 Stile Strip is a combination felt
and galvanized iron strip which can be
easily adjusted for wear after installa-
tion.

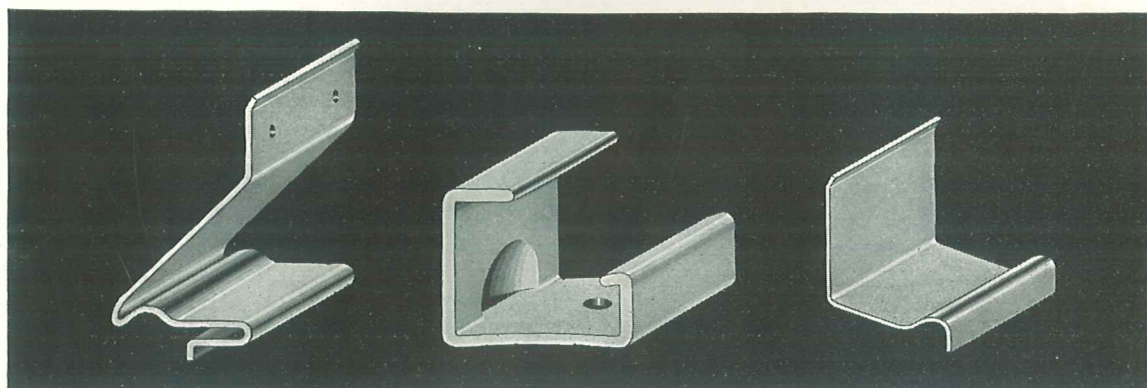


MASTER WEATHERSTRIP SECTIONS

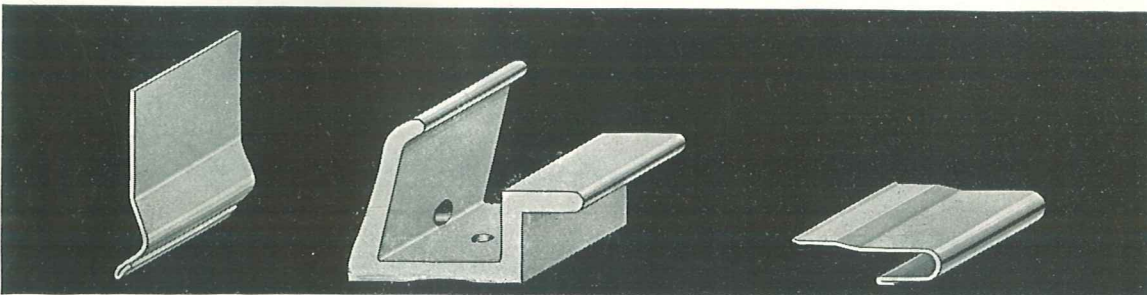
FOR *Inswinging Casement* WINDOWS



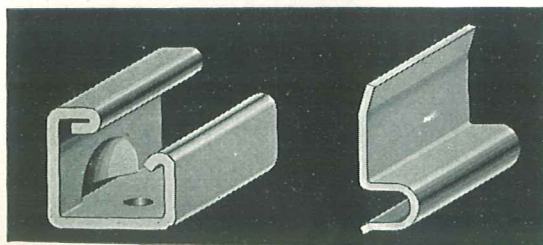
No. 70 Zinc Channel Equipment 16 gauge zinc
No. 71 Rolled Brass Channel Equipment, 18 B&S gauge
 All rolled channels have awning type weep holes



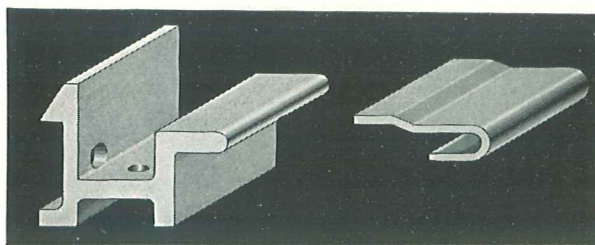
No. 300 Zinc Channel Equipment, 17 gauge zinc
No. 300B Rolled Brass Channel Equipment, 17 B&S gauge



No. 72 Extruded Brass Channel Equipment



No. 69 Two Member Zinc Channel
No. 69B Two Member Rolled Brass Channel

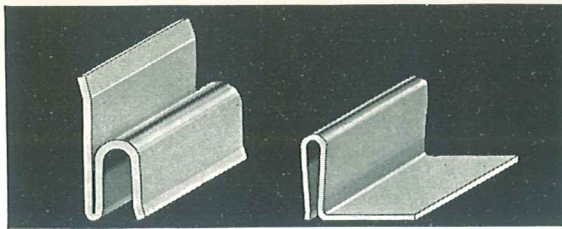


No. 75 Extruded Aluminum Channel Equipment

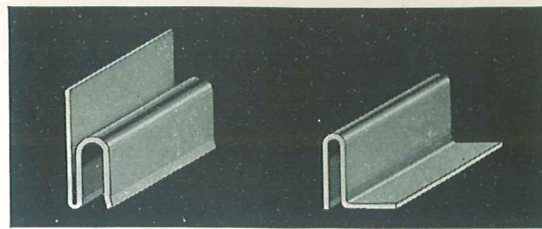
MASTER METAL  STRIP SERVICE

MASTER WEATHERSTRIP SECTIONS

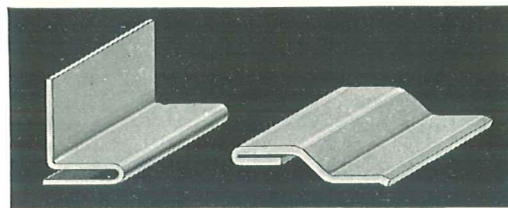
INTERLOCKING STRIPS FOR *Casement* WINDOWS AND *Doors*



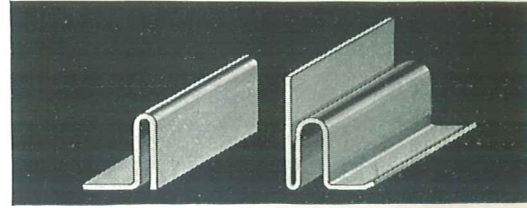
No. 26	No. 26		No. 18
No. 18	"H" Strip	12 gauge Zinc	
No. 18S	El Rib	9 gauge Zinc	
No. 126	El Rib	12 gauge Zinc	
No. 118	"H" Strip	22 B&S gauge Cold Rolled Bronze	
	El Rib	22 B&S gauge Cold Rolled Bronze	



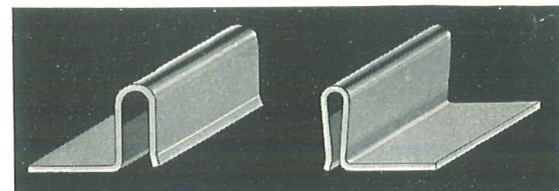
No. 26-A	No. 26-A		No. 17
No. 17	"H" Strip	9 gauge Zinc	
No. 126-A	El Rib	9 gauge Zinc	
No. 117	"H" Strip	25 B&S gauge Cold Rolled Bronze	
	El Rib	26 B&S gauge Cold Rolled Bronze	



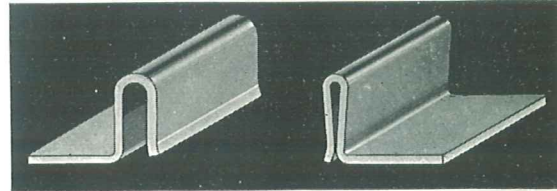
No. 17	No. 17		No. 28
No. 28	El Rib	9 gauge Zinc	
No. 117	"Z" Strip	12 gauge Zinc	
No. 128	El Rib	25 B&S gauge Cold Rolled Bronze	
	"Z" Strip	22 B&S gauge Cold Rolled Bronze	



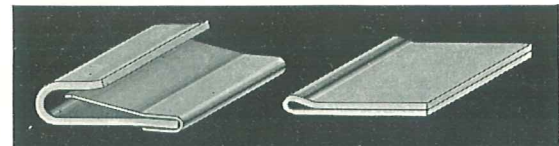
No. 17	No. 17		No. 19
No. 19	El Rib	9 gauge Zinc	
No. 117	"Y" Strip	9 gauge Zinc	
No. 119	El Rib	25 B&S gauge Cold Rolled Bronze	
	"Y" Strip	26 B&S gauge Cold Rolled Bronze	



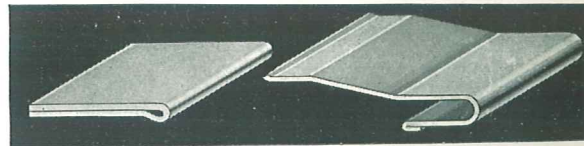
No. 27	No. 27		No. 18
No. 18	Hook	9 gauge Zinc	
No. 127	El Rib	9 gauge Zinc	
No. 118	Hook	25 B&S gauge Cold Rolled Bronze	
	El Rib	25 B&S gauge Cold Rolled Bronze	



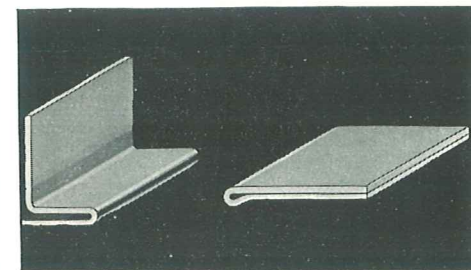
No. 27-S	No. 27-S		No. 18-S
No. 18-S	Hook	12 gauge Zinc	
No. 127-S	El Rib	12 gauge Zinc	
No. 118-S	Hook	22 B&S gauge Cold Rolled Bronze	
	El Rib	22 B&S gauge Cold Rolled Bronze	



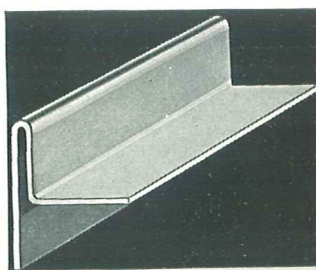
No. 11	No. 113		No. 87
No. 113	Hook	9 gauge Zinc	
No. 87	Insert	32 B&S gauge Bronze	
No. 187	Flat	9 gauge Zinc	
	Hook	22 B&S gauge Cold Rolled Bronze	
	Flat	25 B&S gauge Cold Rolled Bronze	



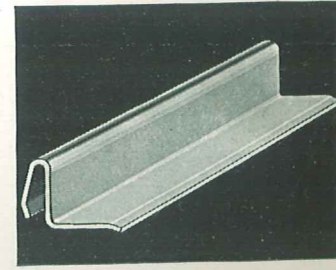
No. 87	No. 87		No. 88-B
No. 187	Flat	9 gauge Zinc	
No. 88-B	Flat	25 B&S gauge Bronze	
No. 74	1 1/2" wide	30 B&S gauge Spring Bronze Hooks	
	3/4" wide	30 B&S gauge Spring Bronze Hooks	



No. 17	No. 87	
No. 87	El Rib	9 gauge Zinc
No. 117	Flat	9 gauge Zinc
No. 187	El Rib	25 B&S gauge Cold Rolled Bronze
	Flat	25 B&S gauge Cold Rolled Bronze



No. 37	No. 37	
No. 137	"T" Strip	9 gauge Zinc
	"T" Strip	25 B&S gauge Cold Rolled Bronze



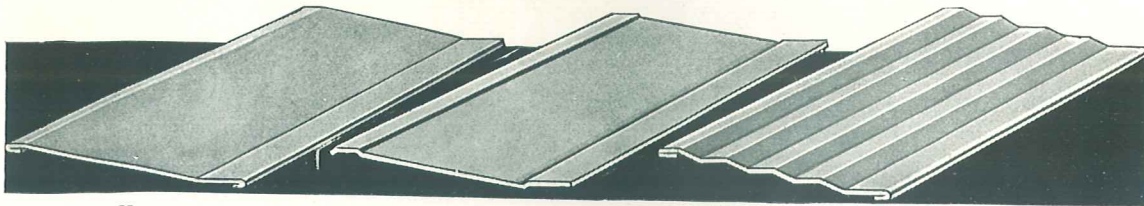
No. 17-B	No. 17-B	
	El Rib	33 B&S gauge Spring Bronze

MASTER METAL  STRIP SERVICE

MASTER WEATHERSTRIP SECTIONS

Spring Bronze

Master Spring Bronze is manufactured from the finest grade of commercial bronze obtainable. It is of special hardness and temper to insure lasting tension and flexibility. Each coil is carefully rolled, inspected and packed in heavy cardboard containers, 100 feet to the coil.

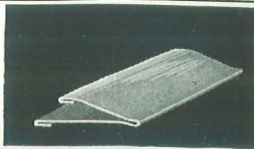


No. 25 Plain Hemmed Edge Bronze
 A $\frac{5}{8}$ " wide, 32 B&S gauge
 B $\frac{3}{4}$ " wide, 32 B&S gauge
 C 1" wide, 31 B&S gauge
 D $1\frac{1}{8}$ " wide, 31 B&S gauge
 E $1\frac{1}{4}$ " wide, 31 B&S gauge
 F $1\frac{3}{8}$ " wide, 31 B&S gauge
 G $1\frac{1}{2}$ " wide, 31 B&S gauge
 H $1\frac{3}{4}$ " wide, 30 B&S gauge

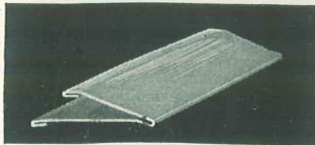
No. 20 Plain Single Edge Bronze
 B $\frac{3}{4}$ " wide, 31 B&S gauge
 C 1" wide, 31 B&S gauge
 D $1\frac{3}{8}$ " wide, 30 B&S gauge
 E $1\frac{1}{4}$ " wide, 30 B&S gauge
 F $1\frac{3}{8}$ " wide, 30 B&S gauge
 G $1\frac{1}{2}$ " wide, 30 B&S gauge
 H $1\frac{3}{4}$ " wide, 30 B&S gauge

No. 23 Corrugated Hemmed Edge, Perforated Bronze
 A $\frac{5}{8}$ " wide, 32 B&S gauge
 B $\frac{3}{4}$ " wide, 32 B&S gauge
 C 1" wide, 31 B&S gauge
 D $1\frac{1}{8}$ " wide, 31 B&S gauge
 E $1\frac{1}{4}$ " wide, 31 B&S gauge
 F $1\frac{3}{8}$ " wide, 31 B&S gauge
 G $1\frac{1}{2}$ " wide, 31 B&S gauge
 H $1\frac{3}{4}$ " wide, 30 B&S gauge

Cushion Spring Bronze and Aluminum



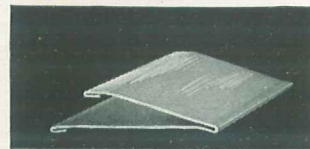
No. 320 $\frac{1}{2}$ " wide, 35 gauge spring bronze
No. 320-A $\frac{1}{2}$ " wide, 34 gauge spring aluminum



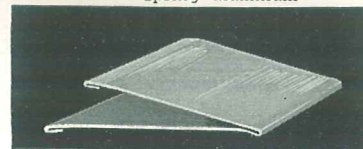
No. 323 $\frac{7}{8}$ " wide, 34 gauge spring bronze
No. 323-A $\frac{7}{8}$ " wide, 33 gauge spring aluminum

Master Cushion Bronze and Cushion Aluminum are primarily designed for use on the sides and top of casement windows and doors, but can also be used satisfactorily on the head sills and meeting rails of double hung windows. The unique design provides a strip of great resiliency that will conform easily to varying countours.

For the sides and top of doors Nos. 324 or 324-A is recommended, although the narrower widths can also be used successfully.

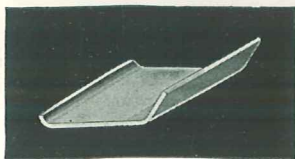


No. 321 $\frac{5}{8}$ " wide, 35 gauge spring bronze
No. 321-A $\frac{5}{8}$ " wide, 34 gauge spring aluminum



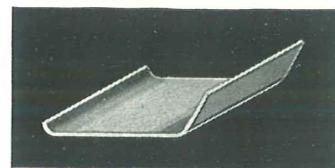
No. 324 $1\frac{1}{8}$ " wide, 33 gauge spring bronze
No. 324-A $1\frac{1}{8}$ " wide, 32 gauge spring aluminum

Spring Bronze Angle Strips



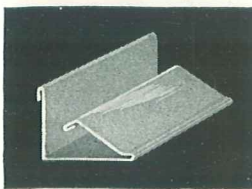
No. 84 $\frac{1}{2}$ " Angle Bronze, 32 B&S gauge

Spring Bronze Angle Strips are customarily used on the centers of double casement wood windows. For $1\frac{1}{8}$ " thick sash the No. 84 strip is used, and for $1\frac{3}{4}$ " sash or heavier the No. 85 strip is used.

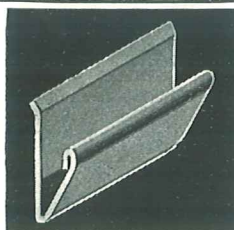


No. 85 $\frac{3}{4}$ " Angle Bronze, 31 B&S gauge

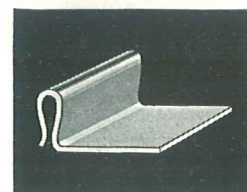
Lock Strips



No. 66 Bronze Lockstrip 8" long.
No. 166 Spring Aluminum Lockstrip 8" long.



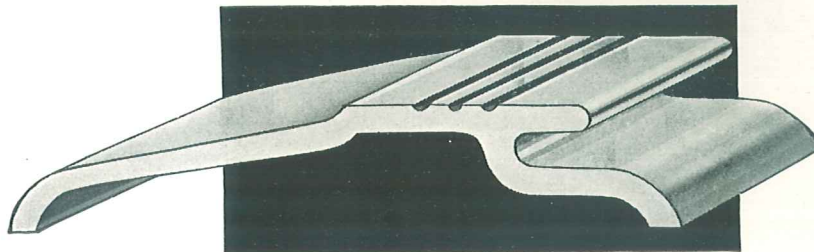
No. 66-A Bronze Lockstrip 8" long.
No. 166-A Aluminum Lockstrip 8" long.



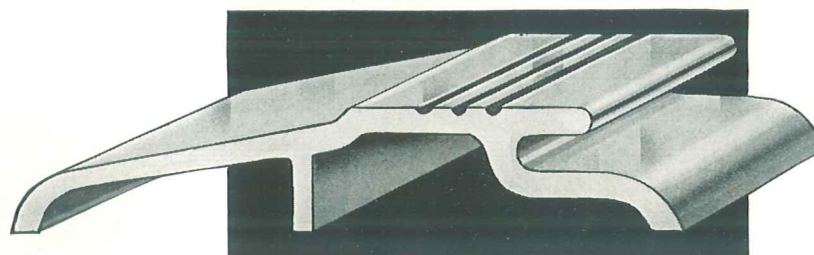
No. 66-Z Lockstrip 8" long, 12 gauge zinc
No. 66-B Lockstrip 8" long, 22 B&S gauge—Cold rolled bronze

MASTER METAL THRESHOLDS

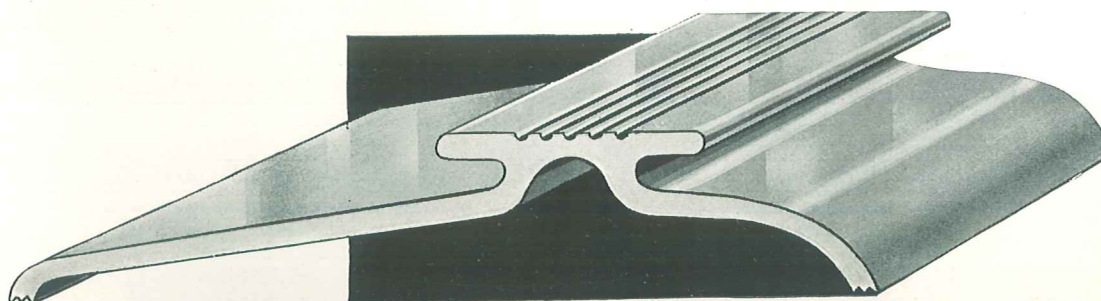
Interlocking Thresholds



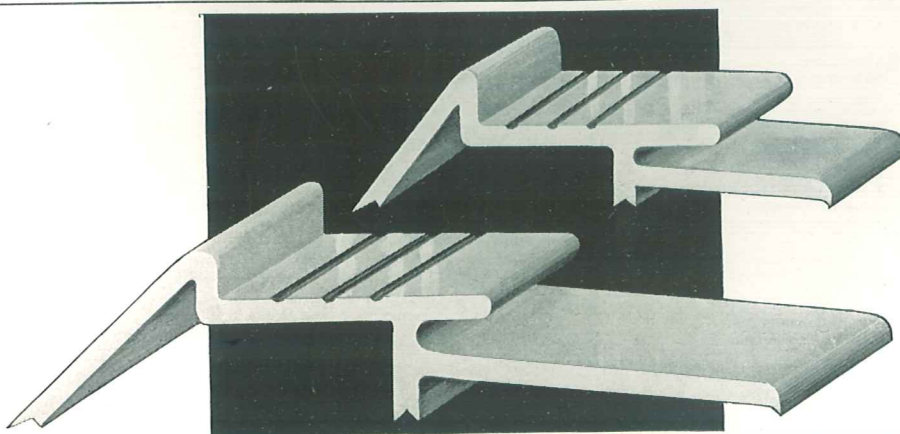
No. 54-B Brass Threshold, 3 1/2" wide, 5/8" high
No. 56 Brass Threshold, 4 1/2" wide, 7/8" high
No. 56-A Alumilite Threshold, 4 1/2" wide, 7/8" high



No. 54 Brass Threshold, 3 1/2" wide, 5/8" high
No. 55 Brass Threshold, 4 1/4" wide, 5/8" high
No. 55-B Brass Threshold, 6" wide, 7/8" high
No. 54-A Alumilite Threshold, 3 1/2" wide, 5/8" high
No. 55-A Alumilite Threshold, 4 1/4" wide, 5/8" high



No. 50 Brass Threshold 3 1/2" wide, 5/8" high
No. 49 Brass Threshold, 4 1/4" wide, 5/8" high
No. 52 Brass Threshold, 4 1/2" wide, 7/8" high
No. 51 Brass Threshold, 5 1/2" wide, 7/8" high
No. 50-A Alumilite Threshold, 3 1/2" wide, 5/8" high
No. 52-A Alumilite Threshold, 4 1/2" wide, 7/8" high



FOR OUTSWINGING DOORS

No. 361 Extruded Alumilite Threshold, 2 1/2" wide, 1/8" high

No. 362 Extruded Brass Threshold, 2 1/2" wide, 1/8" high
 Height over all 1 1/8"

No. 363 Extruded Alumilite Threshold, 4" wide, 5/8" high

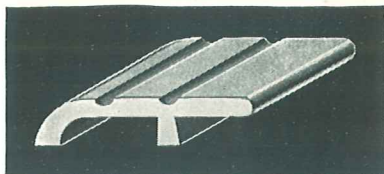
No. 364 Extruded Brass Threshold, 4" wide, 5/8" high
 Height over all 7/8"

MASTER METAL

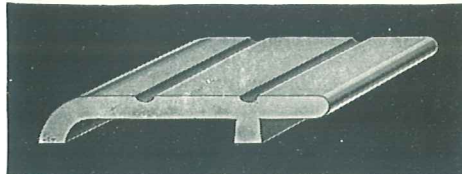


STRIP SERVICE

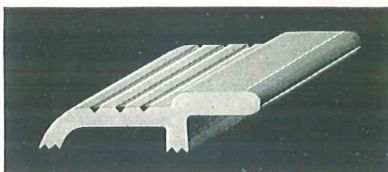
MASTER METAL THRESHOLDS



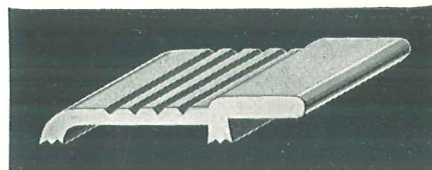
No. 42 Extruded Brass Threshold
1½" wide, ⅝" high
No. 42-A Extruded Alumilite Threshold
1½" wide, ⅝" high



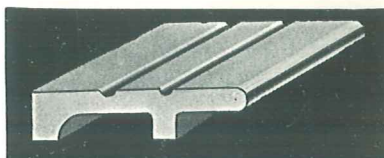
No. 43 Extruded Brass Threshold
1½" wide, ⅝" high
No. 43-A Extruded Alumilite Threshold
1½" wide, ⅝" high



No. 44 Extruded Brass Threshold
1½" wide, ⅝" high
No. 44-A Extruded Alumilite Threshold
1½" wide, ⅝" high



No. 45 Extruded Brass Threshold
1½" wide, ⅝" high
No. 45-A Extruded Alumilite Threshold
1½" wide, ⅝" high



No. 46 Extruded Brass Threshold
1½" wide, ⅝" high

(Below)

Brass

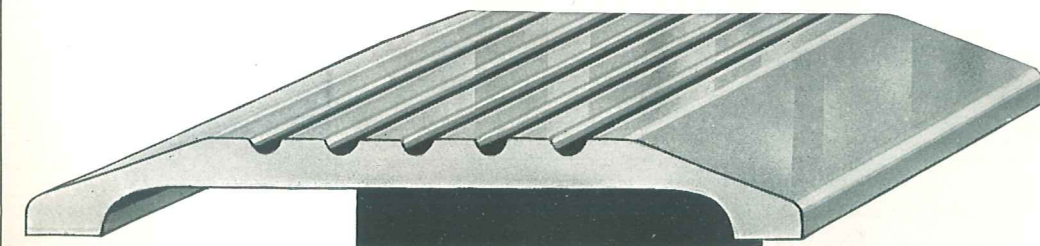
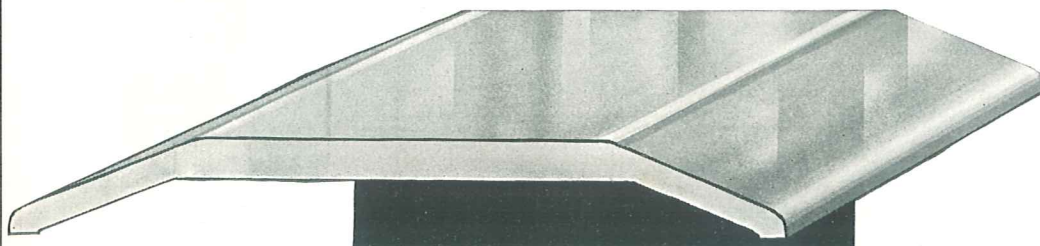
No. 53 2¼" wide, 1¾" top, ⅝" high
No. 53-A 2½" wide, 1⅞" top, ¼" high
No. 57 3" wide, 2⅜" top, ¼" high

Brass

No. 58 4" wide, 2⅞" top, ½" high
No. 59 5" wide, 2½" top, ½" high
No. 60 6" wide, 3" top, ½" high

Extruded Alumilite

No. 142 2¼" wide, 1⅝" top, ⅜" high
No. 58-A 4" wide, 2⅞" top, ½" high



Brass

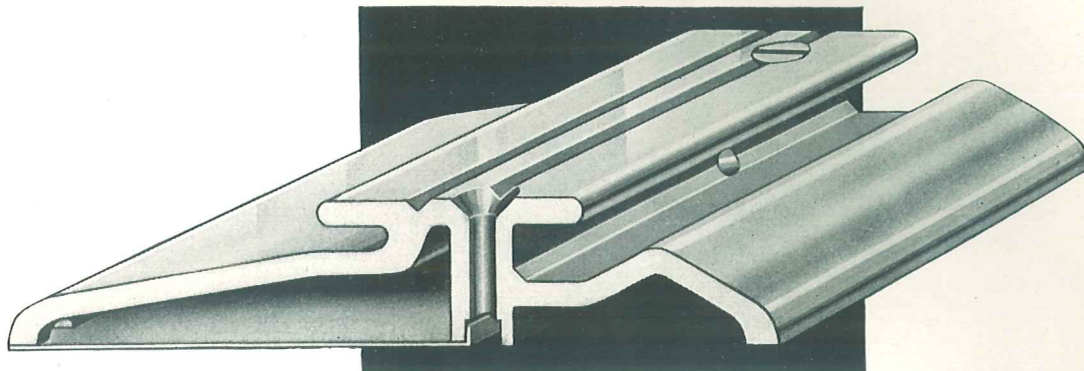
No. 61 4" wide, 2⅞" top, ½" high
No. 62 5" wide, 2⅜" top, ½" high
No. 63 6" wide, 3" top, ½" high

Aluminum

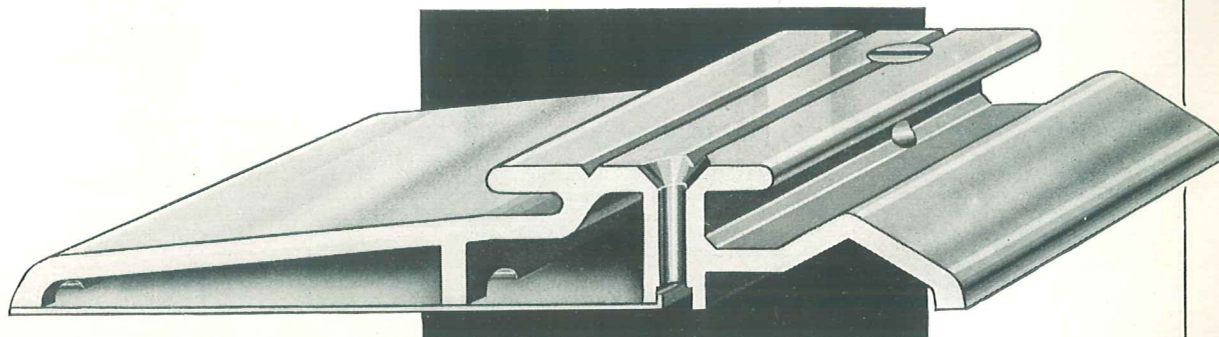
No. 61-A 4" wide, 1¾" top, ⅝" high
No. 62-A 5" wide, 2¾" top, ⅝" high
No. 63-A 6" wide, 3¼" top, ⅝" high

MASTER METAL THRESHOLDS

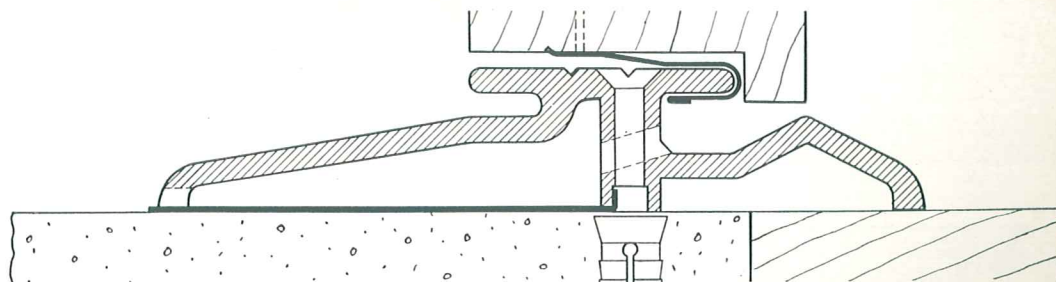
U. S. PATENT No. 2,129,381



- No. 350 Brass Thresholds, 2 " wide, $\frac{5}{8}$ " high
- No. 351 Brass Thresholds, $2\frac{1}{2}$ " wide, $\frac{5}{8}$ " high
- No. 352 Brass Thresholds, 3 " wide, $\frac{5}{8}$ " high
- No. 353 Brass Thresholds, $3\frac{1}{2}$ " wide, $\frac{3}{4}$ " high
- No. 354 Brass Thresholds, 4 " wide, $\frac{3}{4}$ " high
- No. 355 Brass Thresholds, $4\frac{1}{2}$ " wide, $\frac{3}{4}$ " high
- No. 354A Alumilite Threshold, 4" wide, $\frac{3}{4}$ " high



- No. 356 Brass Threshold, 5 " wide, $\frac{3}{4}$ " high
- No. 357 Brass Threshold, $5\frac{1}{2}$ " wide, $\frac{7}{8}$ " high
- No. 358 Brass Threshold, 6 " wide, $\frac{7}{8}$ " high



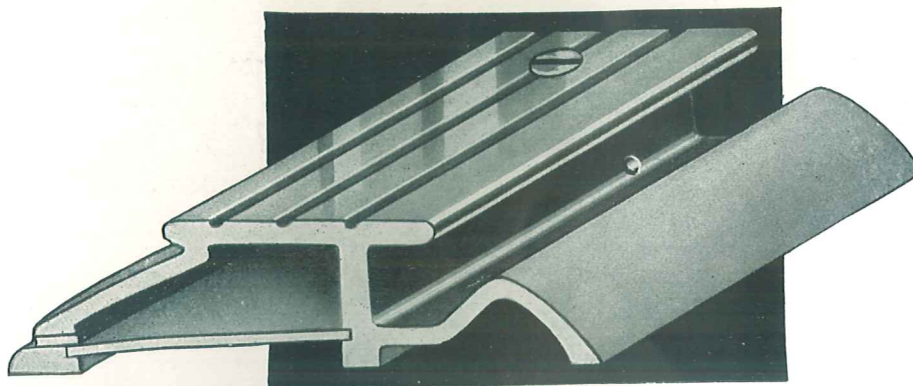
The above MASTER Waterproof Thresholds are self-draining and have several features such as a large, easily cleaned water trough, a rolled brass base plate and a thick center leg through which the screws are placed. This last feature eliminates screw holes through base plate and leakage of water to flooring below. These thresholds were designed with a double lip so they may be used on both inswinging and outswinging doors and are furnished complete with brass base plate, hook and screws.

MASTER METAL



STRIP SERVICE

MASTER METAL THRESHOLDS



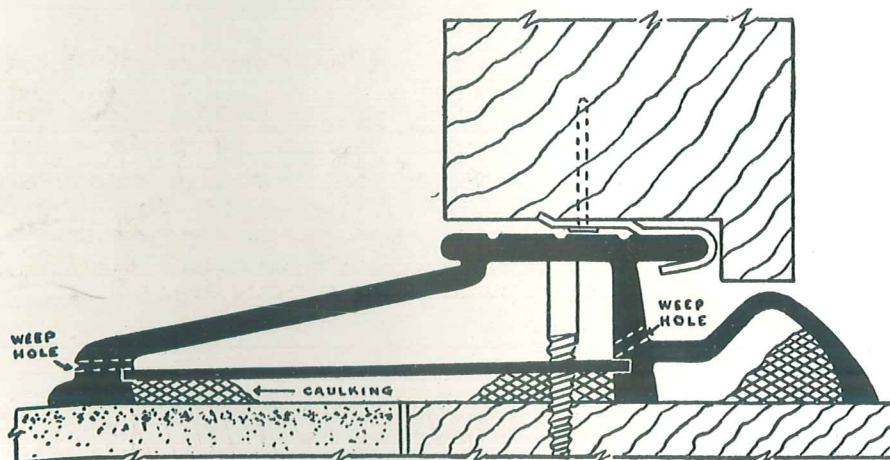
EXTRUDED BRASS

- No. 452 3" wide, $\frac{3}{4}$ " high
- No. 453 $3\frac{1}{2}$ " wide, $\frac{3}{4}$ " high
- No. 454 $4\frac{1}{4}$ " wide, $\frac{7}{8}$ " high

EXTRUDED ALUMINUM ALLOY

Alumilite Finish

- No. 452-A 3" wide, $\frac{3}{4}$ " high
- No. 453-A $3\frac{1}{2}$ " wide, $\frac{3}{4}$ " high
- No. 454-A $4\frac{1}{4}$ " wide, $\frac{7}{8}$ " high



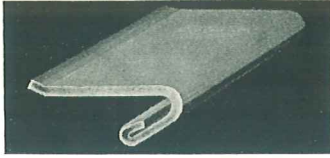
Installation of No. 454.

The series of waterproof thresholds illustrated on this page have been especially designed to eliminate water seepage underneath as well as over the top of the thresholds. With this object in mind, the drain plate has been elevated providing ample space underneath for caulking. Water that might be forced over the top in a driving rain is trapped in the trough at the rear and returned to the outside through staggered weep holes. These thresholds are recommended for all outside doors subject to severe weather exposure.

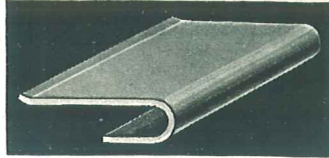


MASTER METAL DOOR EQUIPMENT

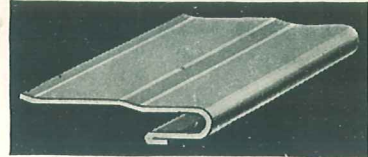
Threshold Hook Strips



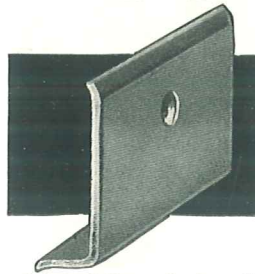
No. 33 Brass Hook, $\frac{7}{8}$ " wide, 24 gauge
No. 33-A Aluminum Hook, $\frac{7}{8}$ " wide, 24 gauge



No. 36 Heavy Brass Hook, $1\frac{1}{8}$ " wide, 22 gauge



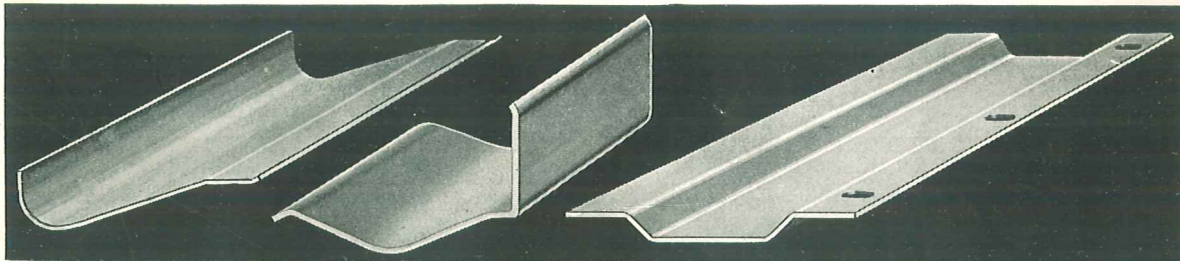
No. 35 Spring Bronze Hook, 1" wide, 27 gauge



No. 34-S Heavy Polished Brass Surface Hook, 1" high, 18 gauge

No. 34-A Alumilite Surface Hook, 1" high, 18 gauge

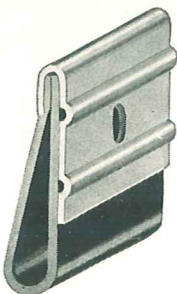
Special Door Bottoms



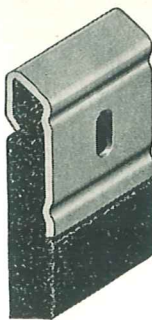
No. 30 Spring Bronze Door Bottom, $1\frac{1}{4}$ " wide, 27 gauge
No. 30-A Spring Bronze Door Bottom, 1" wide, 28 gauge

No. 39 Spring Bronze Exposed Door Bottom, $1\frac{1}{4}$ " wide, 30 gauge

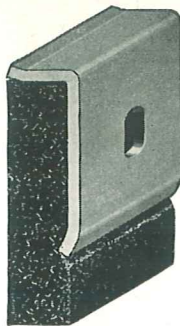
No. 38 Double Nail Spring Bronze Door Bottom, $1\frac{1}{2}$ " wide, 31 gauge



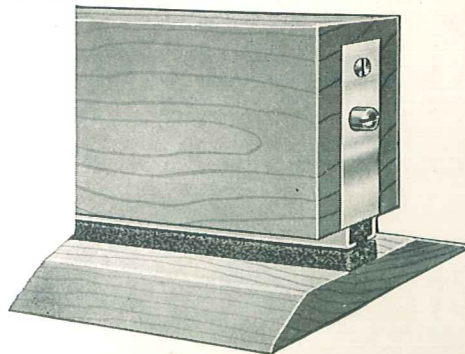
No. 32 Brass and Rubber Door Bottom, $1\frac{1}{4}$ " high, 22 B&S gauge. Polished brass, heavy single ply rubber



No. 31 Brass and Felt Door Bottom, $1\frac{1}{4}$ " high, 22 B&S gauge. Polished brass, $\frac{3}{16}$ " thick. Black wool felt.
No. 31-A Aluminum and white felt.



No. 31-H Heavy Brass and Felt Door Bottom, $1\frac{1}{4}$ " high, 18 B&S gauge. Polished brass, $\frac{3}{16}$ " thick. Black wool felt.



No. 93 Eyelet Type Automatic Door Bottom
No. 93-A Perfect-Seal Door Bottom. Illustration ($\frac{1}{2}$ size) shows door bottom lowered into place against wood threshold. Will seal an opening up to $\frac{5}{8}$ " high. For wider openings special door bottoms can be furnished.

MASTER METAL STRIP SERVICE



12 650
35 150
480 3200
5 480 650
3 818750
35244 12000
3

2400
10.00
8.00
20.00
62.00

32
12
166
32
485
2400

MASTER

METAL

WEATHERSTRIPS

